

Full &amp; Default Power

| GSM850 Ant 0    | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame Average Power (dBm) |       |       | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
|                 | 128                       | 189   | 251   |                     | 128                       | 189   | 251   |                     |
| TX Channel      | 824.2                     | 836.4 | 848.8 |                     | 824.2                     | 836.4 | 848.8 |                     |
| Frequency (MHz) | 824.2                     | 836.4 | 848.8 |                     | 824.2                     | 836.4 | 848.8 |                     |
| GSM 1 Tx slot   | 32.75                     | 32.84 | 32.78 | 33.50               | 23.75                     | 23.84 | 23.78 | 24.50               |
| GPRS 1 Tx slot  | 32.72                     | 32.81 | 32.76 | 33.50               | 23.72                     | 23.81 | 23.76 | 24.50               |
| GPRS 3 Tx slots | 29.53                     | 29.31 | 29.55 | 30.50               | 23.53                     | 23.31 | 23.55 | 24.50               |
| GPRS 4 Tx slots | 27.72                     | 27.53 | 27.50 | 28.50               | 23.46                     | 23.27 | 23.24 | 24.24               |
| GPRS 4 Tx slots | 26.41                     | 26.38 | 26.30 | 27.50               | 23.41                     | 23.38 | 23.30 | 24.50               |
| EDGE 1 Tx slot  | 26.76                     | 26.71 | 26.73 | 27.50               | 17.76                     | 17.71 | 17.73 | 18.50               |
| EDGE 2 Tx slots | 25.39                     | 25.32 | 25.35 | 26.50               | 19.39                     | 19.32 | 19.35 | 20.50               |
| EDGE 3 Tx slots | 23.86                     | 23.86 | 23.70 | 24.50               | 19.60                     | 19.40 | 19.44 | 20.24               |
| EDGE 4 Tx slots | 21.64                     | 21.65 | 21.54 | 22.50               | 18.64                     | 18.65 | 18.54 | 19.50               |

| Band            |                    | WCDMA V Ant 0 |       |       | Tune-up Limit (dBm) |
|-----------------|--------------------|---------------|-------|-------|---------------------|
| TX Channel      |                    | 4132          | 4182  | 4233  |                     |
| Rx Channel      |                    | 4357          | 4407  | 4458  |                     |
| Frequency (MHz) |                    | 826.4         | 836.4 | 846.6 |                     |
| 3GPP Rel 99     | AMR 12.2Kbps       | 22.89         | 22.96 | 22.78 | 24.00               |
| 3GPP Rel 99     | RMC 12.2Kbps       | 22.95         | 23.03 | 22.96 | 24.00               |
| 3GPP Rel 6      | HSDPA Subtest-1    | 22.05         | 22.00 | 21.90 | 23.00               |
| 3GPP Rel 6      | HSDPA Subtest-2    | 22.01         | 21.98 | 21.99 | 23.00               |
| 3GPP Rel 6      | HSDPA Subtest-3    | 21.53         | 21.58 | 21.52 | 22.50               |
| 3GPP Rel 6      | HSDPA Subtest-4    | 21.47         | 21.46 | 21.52 | 22.50               |
| 3GPP Rel 8      | DC-HSDPA Subtest-1 | 22.02         | 21.95 | 22.03 | 23.00               |
| 3GPP Rel 8      | DC-HSDPA Subtest-2 | 22.04         | 22.04 | 21.92 | 23.00               |
| 3GPP Rel 8      | DC-HSDPA Subtest-3 | 21.50         | 21.49 | 21.37 | 22.50               |
| 3GPP Rel 8      | DC-HSDPA Subtest-4 | 21.37         | 21.62 | 21.49 | 22.50               |
| 3GPP Rel 6      | HSUPA Subtest-1    | 21.93         | 22.02 | 22.03 | 23.00               |
| 3GPP Rel 6      | HSUPA Subtest-2    | 20.05         | 19.97 | 19.96 | 21.00               |
| 3GPP Rel 6      | HSUPA Subtest-3    | 21.05         | 20.94 | 20.85 | 22.00               |
| 3GPP Rel 6      | HSUPA Subtest-4    | 19.84         | 20.12 | 20.03 | 21.00               |
| 3GPP Rel 6      | HSUPA Subtest-5    | 21.85         | 22.14 | 21.86 | 23.00               |

| Band 5 Ant 0    |            |         |           |                     |                     |                      |                   |          |    |   |  |  |
|-----------------|------------|---------|-----------|---------------------|---------------------|----------------------|-------------------|----------|----|---|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up Inst (dB) | MPE (dB) |    |   |  |  |
| Channel         |            |         |           |                     |                     |                      |                   |          |    |   |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                   |          |    |   |  |  |
| 10              | QPSK       | 1       | 0         | 22.83               | 22.94               | 22.88                |                   |          | 24 | 0 |  |  |
| 10              | QPSK       | 1       | 25        | 22.85               | 22.90               | 22.92                |                   |          |    |   |  |  |
| 10              | QPSK       | 1       | 49        | 22.79               | 22.91               | 22.93                |                   |          |    |   |  |  |
| 10              | QPSK       | 25      | 12        | 22.03               | 21.85               | 21.91                |                   |          |    |   |  |  |
| 10              | QPSK       | 25      | 25        | 22.06               | 21.97               | 21.86                |                   |          | 23 | 1 |  |  |
| 10              | QPSK       | 50      | 0         | 21.84               | 22.03               | 21.89                |                   |          |    |   |  |  |
| 10              | 16QAM      | 1       | 0         | 21.95               | 22.04               | 22.01                |                   |          |    |   |  |  |
| 10              | 16QAM      | 1       | 25        | 21.92               | 21.89               | 21.99                |                   |          |    |   |  |  |
| 10              | 16QAM      | 1       | 49        | 22.05               | 21.85               | 22.03                |                   |          | 23 | 1 |  |  |
| 10              | 16QAM      | 25      | 0         | 21.02               | 21.92               | 22.07                |                   |          |    |   |  |  |
| 10              | 16QAM      | 25      | 12        | 21.00               | 20.89               | 21.95                |                   |          |    |   |  |  |
| 10              | 16QAM      | 25      | 25        | 21.03               | 20.86               | 20.86                |                   |          |    |   |  |  |
| 10              | 16QAM      | 50      | 0         | 20.95               | 20.84               | 21.01                |                   |          | 22 | 2 |  |  |
| 10              | 16QAM      | 50      | 12        | 20.95               | 20.84               | 20.98                |                   |          |    |   |  |  |
| 10              | 64QAM      | 1       | 0         | 20.95               | 20.94               | 20.97                |                   |          |    |   |  |  |
| 10              | 64QAM      | 1       | 25        | 20.99               | 20.96               | 20.93                |                   |          | 22 | 2 |  |  |
| 10              | 64QAM      | 1       | 49        | 21.08               | 20.90               | 20.88                |                   |          |    |   |  |  |
| 10              | 64QAM      | 25      | 0         | 19.92               | 19.90               | 19.94                |                   |          |    |   |  |  |
| 10              | 64QAM      | 25      | 12        | 19.87               | 19.92               | 20.03                |                   |          |    |   |  |  |
| 10              | 64QAM      | 25      | 25        | 19.94               | 19.94               | 19.93                |                   |          | 21 | 3 |  |  |
| 10              | 64QAM      | 50      | 0         | 19.92               | 19.89               | 19.91                |                   |          |    |   |  |  |
| 10              | 256QAM     | 1       | 0         | 18.67               | 18.62               | 17.96                |                   |          |    |   |  |  |
| 10              | 256QAM     | 1       | 25        | 18.09               | 18.03               | 18.05                |                   |          | 19 | 5 |  |  |
| 10              | 256QAM     | 1       | 49        | 18.03               | 18.03               | 18.08                |                   |          |    |   |  |  |
| 10              | 256QAM     | 25      | 0         | 17.87               | 17.87               | 17.89                |                   |          |    |   |  |  |
| 10              | 256QAM     | 25      | 12        | 18.11               | 17.91               | 18.05                |                   |          | 19 | 5 |  |  |
| 10              | 256QAM     | 25      | 25        | 17.82               | 17.83               | 17.96                |                   |          |    |   |  |  |
| 10              | 256QAM     | 50      | 0         | 18.03               | 18.03               | 18.07                |                   |          |    |   |  |  |
| Channel         |            |         |           |                     |                     |                      |                   |          |    |   |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                   |          |    |   |  |  |
| 5               | QPSK       | 1       | 0         | 22.68               | 22.65               | 22.76                |                   |          | 24 | 0 |  |  |
| 5               | QPSK       | 1       | 12        | 22.62               | 22.62               | 22.72                |                   |          |    |   |  |  |
| 5               | QPSK       | 1       | 24        | 22.65               | 22.64               | 22.63                |                   |          |    |   |  |  |
| 5               | QPSK       | 12      | 7         | 22.00               | 21.83               | 21.87                |                   |          |    |   |  |  |
| 5               | QPSK       | 12      | 13        | 22.04               | 21.90               | 21.82                |                   |          | 23 | 1 |  |  |
| 5               | QPSK       | 12      | 13        | 22.05               | 21.88               | 21.82                |                   |          |    |   |  |  |
| 5               | QPSK       | 25      | 0         | 21.90               | 21.88               | 21.76                |                   |          |    |   |  |  |
| 5               | 16QAM      | 1       | 0         | 21.98               | 21.88               | 21.81                |                   |          |    |   |  |  |
| 5               | 16QAM      | 1       | 12        | 21.81               | 21.78               | 21.93                |                   |          | 23 | 1 |  |  |
| 5               | 16QAM      | 1       | 49        | 21.86               | 21.76               | 21.99                |                   |          |    |   |  |  |
| 5               | 16QAM      | 12      | 0         | 20.90               | 20.82               | 20.75                |                   |          |    |   |  |  |
| 5               | 16QAM      | 12      | 7         | 21.02               | 20.80               | 20.87                |                   |          | 22 | 2 |  |  |
| 5               | 16QAM      | 12      | 7         | 21.01               | 20.80               | 20.87                |                   |          |    |   |  |  |
| 5               | 16QAM      | 25      | 0         | 20.73               | 20.69               | 20.90                |                   |          |    |   |  |  |
| 5               | 64QAM      | 1       | 0         | 20.84               | 20.82               | 20.98                |                   |          | 22 | 2 |  |  |
| 5               | 64QAM      | 1       | 25        | 20.77               | 20.77               | 20.87                |                   |          |    |   |  |  |
| 5               | 64QAM      | 1       | 24        | 20.80               | 20.80               | 20.81                |                   |          |    |   |  |  |
| 5               | 64QAM      | 12      | 0         | 19.88               | 19.74               | 19.94                |                   |          |    |   |  |  |
| 5               | 64QAM      | 12      | 13        | 19.94               | 19.74               | 19.77                |                   |          | 21 | 3 |  |  |
| 5               | 64QAM      | 12      | 13        | 19.94               | 19.74               | 19.77                |                   |          |    |   |  |  |
| 5               | 64QAM      | 25      | 0         | 19.84               | 19.71               | 19.71                |                   |          |    |   |  |  |
| 5               | 256QAM     | 1       | 0         | 18.70               | 18.62               | 17.96                |                   |          |    |   |  |  |
| 5               | 256QAM     | 1       | 12        | 17.90               | 17.92               | 17.89                |                   |          | 19 | 5 |  |  |
| 5               | 256QAM     | 1       | 24        | 17.91               | 17.86               | 18.04                |                   |          |    |   |  |  |
| 5               | 256QAM     | 12      | 0         | 17.85               | 17.85               | 17.86                |                   |          |    |   |  |  |
| 5               | 256QAM     | 12      | 7         | 18.02               | 17.74               | 18.06                |                   |          | 19 | 5 |  |  |
| 5               | 256QAM     | 12      | 13        | 17.74               | 17.84               | 17.75                |                   |          |    |   |  |  |
| 5               | 256QAM     | 25      | 0         | 17.89               | 18.03               | 17.84                |                   |          |    |   |  |  |
| Channel         |            |         |           |                     |                     |                      |                   |          |    |   |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                   |          |    |   |  |  |
| 3               | QPSK       | 1       | 0         | 22.63               | 22.63               | 22.62                |                   |          | 24 | 0 |  |  |
| 3               | QPSK       | 1       | 14        | 22.61               | 22.68               | 22.63                |                   |          |    |   |  |  |
| 3               | QPSK       | 8       | 0         | 21.71               | 21.87               | 21.87                |                   |          |    |   |  |  |
| 3               | QPSK       | 8       | 7         | 21.95               | 21.72               | 21.85                |                   |          |    |   |  |  |
| 3               | QPSK       | 8       | 7         | 22.01               | 21.86               | 21.76                |                   |          | 23 | 1 |  |  |
| 3               | 16QAM      | 1       | 0         | 21.84               | 22.00               | 22.00                |                   |          |    |   |  |  |
| 3               | 16QAM      | 1       | 8         | 21.75               | 21.70               | 21.92                |                   |          |    |   |  |  |
| 3               | 16QAM      | 1       | 21        | 21.73               | 21.68               | 21.88                |                   |          | 23 | 1 |  |  |
| 3               | 16QAM      | 8       | 0         | 20.81               | 20.94               | 20.71                |                   |          |    |   |  |  |
| 3               | 16QAM      | 8       | 4         | 20.80               | 20.74               | 21.00                |                   |          |    |   |  |  |
| 3               | 16QAM      | 8       | 7         | 20.86               | 20.81               | 20.74                |                   |          | 22 | 2 |  |  |
| 3               | 16QAM      | 15      | 0         | 20.75               | 20.71               | 20.98                |                   |          |    |   |  |  |
| 3               | 64QAM      | 1       | 0         | 20.81               | 20.75               | 20.74                |                   |          |    |   |  |  |
| 3               | 64QAM      | 1       | 8         | 20.86               | 20.76               | 20.73                |                   |          |    |   |  |  |
| 3               | 64QAM      | 1       | 14        | 20.98               | 20.73               | 20.85                |                   |          | 21 | 3 |  |  |
| 3               | 64QAM      | 8       | 0         | 19.90               | 19.74               | 19.85                |                   |          |    |   |  |  |
| 3               | 64QAM      | 8       | 4         | 19.87               | 19.77               | 19.92                |                   |          |    |   |  |  |
| 3               | 64QAM      | 8       | 7         | 19.82               | 19.87               | 19.89                |                   |          |    |   |  |  |
| 3               | 64QAM      | 15      | 0         | 19.79               | 19.71               | 19.92                |                   |          | 19 | 5 |  |  |
| 3               | 256QAM     | 1       | 0         | 18.02               | 17.86               | 17.76                |                   |          |    |   |  |  |
| 3               | 256QAM     | 1       | 8         | 17.96               | 17.95               | 17.87                |                   |          |    |   |  |  |
| 3               | 256QAM     | 1       | 14        | 17.86               | 18.04               | 18.02                |                   |          |    |   |  |  |
| 3               | 256QAM     | 8       | 0         | 17.77               | 17.92               | 17.98                |                   |          | 19 | 5 |  |  |
| 3               | 256QAM     | 8       | 4         | 18.06               | 17.90               | 17.90                |                   |          |    |   |  |  |
| 3               | 256QAM     | 8       | 7         | 17.71               | 17.90               | 17.91                |                   |          |    |   |  |  |
| 3               | 256QAM     | 15      | 0         | 17.88               | 17.89               | 17.96                |                   |          |    |   |  |  |
| Channel         |            |         |           |                     |                     |                      |                   |          |    |   |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                   |          |    |   |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.63               | 22.63               | 22.62                |                   |          | 24 | 0 |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.59               | 22.62               | 22.61                |                   |          |    |   |  |  |
| 1.4             | QPSK       | 1       | 5         | 22.59               | 22.62               | 22.62                |                   |          |    |   |  |  |
| 1.4             | QPSK       | 3       | 0         | 22.73               | 22.91               | 22.76                |                   |          |    |   |  |  |
| 1.4             | QPSK       | 3       | 1         | 22.53               | 22.62               | 22.67                |                   |          | 23 | 1 |  |  |
| 1.4             | QPSK       | 3       | 3         | 22.77               | 22.89               | 22.83                |                   |          |    |   |  |  |
| 1.4             | QPSK       | 6       | 0         | 21.93               | 21.83               | 21.85                |                   |          |    |   |  |  |
| 1.4             | 16QAM      | 1       | 0         | 21.87               | 21.99               | 21.85                |                   |          |    |   |  |  |
| 1.4             | 16QAM      | 1       | 3         | 21.71               | 21.86               | 21.96                |                   |          | 23 | 1 |  |  |
| 1.4             | 16QAM      | 1       | 5         | 21.84               | 21.67               | 21.81                |                   |          |    |   |  |  |
| 1.4             | 16QAM      | 3       | 0         | 21.84               | 21.84               | 21.73                |                   |          |    |   |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.94               | 22.02               | 21.97                |                   |          |    |   |  |  |
| 1.4             | 16QAM      | 3       | 3         | 21.74               | 21.68               | 21.76                |                   |          | 22 | 2 |  |  |
| 1.4             | 16QAM      | 6       | 0         | 20.84               | 20.69               | 20.99                |                   |          |    |   |  |  |
| 1.4             | 64QAM      | 1       | 0         | 20.77               | 20.69               | 20.81                |                   |          |    |   |  |  |
| 1.4             | 64QAM      | 1       | 3         | 20.83               | 20.69               | 20.99                |                   |          |    |   |  |  |
| 1.4             | 64QAM      | 1       | 5         | 20.91               | 20.84               | 20.88                |                   |          | 22 | 2 |  |  |
| 1.4             | 64QAM      | 3       | 0         | 20.88               | 20.76               | 21.00                |                   |          |    |   |  |  |
| 1.4             | 64QAM      | 3       | 1         | 20.84               | 20.85               | 20.83                |                   |          |    |   |  |  |
| 1.4             | 64QAM      | 3       | 3         | 20.92               | 20.73               | 20.99                |                   |          |    |   |  |  |
| 1.4             | 64QAM      | 6       | 0         | 19.76               | 19.77               | 19.76                |                   |          | 21 | 3 |  |  |
| 1.4             | 256QAM     | 1       | 0         | 18.02               | 17.89               | 17.83                |                   |          |    |   |  |  |
| 1.4             | 256QAM     | 1       | 3         | 18.03               | 17.99               | 17.97                |                   |          |    |   |  |  |
| 1.4             | 256QAM     | 1       | 5         | 18.04               | 17.96               | 18.00                |                   |          |    |   |  |  |
| 1.4             | 256QAM     | 3       | 0         | 17.88               | 17.87               | 17.87                |                   |          | 19 | 5 |  |  |
| 1.4             | 256QAM     | 3       | 1         | 18.02               | 17.76               | 17.97                |                   |          |    |   |  |  |
| 1.4             | 256QAM     | 3       | 3         | 17.73               | 17.83               | 17.96                |                   |          |    |   |  |  |
| 1.4             | 256QAM     | 6       | 0         | 17.89               | 17.85               | 17.76                |                   |          |    |   |  |  |

| Band 12 Ant 0   |            |         |           |                           |                           |                            |                   |          |    |   |
|-----------------|------------|---------|-----------|---------------------------|---------------------------|----------------------------|-------------------|----------|----|---|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch / Freq 20090 | Power Mid Ch / Freq 20095 | Power High Ch / Freq 20100 | Tune-up Inst (dB) | MPE (dB) |    |   |
| Channel         |            |         |           |                           |                           |                            |                   |          |    |   |
| Frequency (MHz) |            |         |           |                           |                           |                            |                   |          |    |   |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          | 24 | 0 |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          |    |   |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          |    |   |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          | 23 | 1 |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          | 23 | 1 |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          |    |   |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          | 22 | 2 |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          |    |   |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          | 22 | 2 |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          |    |   |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          |    |   |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          | 19 | 5 |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          |    |   |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          |    |   |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          |    |   |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          | 19 | 5 |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          |    |   |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          |    |   |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          |    |   |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          | 19 | 5 |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          |    |   |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          |    |   |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          |    |   |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          | 19 | 5 |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          |    |   |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          |    |   |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          |    |   |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          | 19 | 5 |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          |    |   |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          |    |   |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          |    |   |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          | 19 | 5 |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          |    |   |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          |    |   |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          |    |   |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          | 19 | 5 |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          |    |   |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          |    |   |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          |    |   |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          | 19 | 5 |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          |    |   |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          |    |   |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          |    |   |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          | 19 | 5 |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          |    |   |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          |    |   |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          |    |   |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          | 19 | 5 |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          |    |   |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          |    |   |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          |    |   |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          | 19 | 5 |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          |    |   |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          |    |   |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          |    |   |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          | 19 | 5 |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          |    |   |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |
| 10              | QPSK       | 1       | 25        | 22.85                     | 22.81                     | 22.76                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 49        | 22.89                     | 22.82                     | 22.77                      |                   |          |    |   |
| 10              | QPSK       | 25      | 0         | 21.91                     | 21.99                     | 21.98                      |                   |          |    |   |
| 10              | QPSK       | 25      | 12        | 21.90                     | 21.87                     | 21.89                      |                   |          |    |   |
| 10              | QPSK       | 25      | 25        | 21.84                     | 21.86                     | 21.88                      |                   |          | 19 | 5 |
| 10              | QPSK       | 1       | 0         | 22.82                     | 22.82                     | 22.85                      |                   |          |    |   |

| Band 26 Ant 0   |            |         |           |                       |                       |                        |                     |           |  |  |  |  |
|-----------------|------------|---------|-----------|-----------------------|-----------------------|------------------------|---------------------|-----------|--|--|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Mid Ch. / Freq. | Power High Ch. / Freq. | Turn-up limit (dBm) | APPR (dB) |  |  |  |  |
| Channel         |            |         |           |                       |                       |                        |                     |           |  |  |  |  |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                 | 841.5                  |                     |           |  |  |  |  |
| 15              | QPSK       | 1       | 0         | 22.85                 | 23.65                 | 22.88                  | 24                  | 0         |  |  |  |  |
| 15              | QPSK       | 1       | 31        | 22.84                 | 22.75                 | 22.88                  |                     |           |  |  |  |  |
| 15              | QPSK       | 1       | 74        | 22.78                 | 22.91                 | 23.78                  |                     |           |  |  |  |  |
| 15              | QPSK       | 36      | 0         | 21.65                 | 21.65                 | 21.61                  |                     |           |  |  |  |  |
| 15              | QPSK       | 36      | 20        | 21.81                 | 21.83                 | 21.75                  | 23                  | 1         |  |  |  |  |
| 15              | QPSK       | 36      | 39        | 21.84                 | 21.85                 | 21.80                  |                     |           |  |  |  |  |
| 15              | QPSK       | 75      | 0         | 21.71                 | 21.81                 | 21.80                  |                     |           |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 21.73                 | 21.72                 | 21.76                  |                     |           |  |  |  |  |
| 15              | 16QAM      | 1       | 31        | 21.75                 | 21.78                 | 21.76                  | 23                  | 1         |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 21.78                 | 21.90                 | 21.82                  |                     |           |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 20.84                 | 20.79                 | 20.79                  |                     |           |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 20.84                 | 20.92                 | 20.84                  |                     |           |  |  |  |  |
| 15              | 16QAM      | 36      | 39        | 20.86                 | 20.87                 | 20.81                  | 22                  | 2         |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 21.00                 | 20.97                 | 20.97                  |                     |           |  |  |  |  |
| 15              | 64QAM      | 1       | 0         | 20.88                 | 20.87                 | 20.81                  |                     |           |  |  |  |  |
| 15              | 64QAM      | 1       | 31        | 20.91                 | 20.76                 | 20.89                  |                     |           |  |  |  |  |
| 15              | 64QAM      | 1       | 74        | 20.82                 | 20.78                 | 20.88                  | 21                  | 3         |  |  |  |  |
| 15              | 64QAM      | 36      | 0         | 19.97                 | 19.98                 | 19.98                  |                     |           |  |  |  |  |
| 15              | 64QAM      | 36      | 20        | 20.01                 | 19.98                 | 19.90                  |                     |           |  |  |  |  |
| 15              | 64QAM      | 36      | 39        | 19.93                 | 19.82                 | 19.87                  |                     |           |  |  |  |  |
| 15              | 64QAM      | 75      | 0         | 19.88                 | 20.00                 | 19.89                  | 19                  | 5         |  |  |  |  |
| 15              | 256QAM     | 1       | 0         | 17.73                 | 17.73                 | 17.67                  |                     |           |  |  |  |  |
| 15              | 256QAM     | 1       | 31        | 17.71                 | 17.64                 | 17.80                  |                     |           |  |  |  |  |
| 15              | 256QAM     | 1       | 74        | 17.92                 | 17.80                 | 17.84                  |                     |           |  |  |  |  |
| 15              | 256QAM     | 36      | 0         | 17.75                 | 17.69                 | 17.79                  | 19                  | 5         |  |  |  |  |
| 15              | 256QAM     | 36      | 20        | 17.88                 | 17.71                 | 17.78                  |                     |           |  |  |  |  |
| 15              | 256QAM     | 36      | 39        | 17.83                 | 17.87                 | 17.83                  |                     |           |  |  |  |  |
| 15              | 256QAM     | 75      | 0         | 17.84                 | 17.78                 | 17.81                  |                     |           |  |  |  |  |
| Channel         |            |         |           |                       |                       |                        |                     |           |  |  |  |  |
| Frequency (MHz) |            |         |           | 819                   | 831.5                 | 844                    | Turn-up limit (dBm) | APPR (dB) |  |  |  |  |
| 15              | QPSK       | 1       | 0         | 22.71                 | 22.88                 | 22.73                  | 24                  | 0         |  |  |  |  |
| 15              | QPSK       | 1       | 28        | 22.78                 | 22.85                 | 22.86                  |                     |           |  |  |  |  |
| 15              | QPSK       | 1       | 49        | 22.62                 | 22.78                 | 22.68                  |                     |           |  |  |  |  |
| 15              | QPSK       | 25      | 0         | 21.69                 | 21.81                 | 21.81                  |                     |           |  |  |  |  |
| 15              | QPSK       | 25      | 12        | 21.77                 | 21.78                 | 21.75                  | 23                  | 1         |  |  |  |  |
| 15              | QPSK       | 25      | 28        | 21.78                 | 21.79                 | 21.89                  |                     |           |  |  |  |  |
| 15              | QPSK       | 50      | 0         | 21.68                 | 21.69                 | 21.66                  |                     |           |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 21.70                 | 21.71                 | 21.68                  |                     |           |  |  |  |  |
| 15              | 16QAM      | 1       | 28        | 21.75                 | 21.58                 | 21.75                  | 23                  | 1         |  |  |  |  |
| 15              | 16QAM      | 1       | 49        | 21.59                 | 21.81                 | 21.74                  |                     |           |  |  |  |  |
| 15              | 16QAM      | 25      | 0         | 20.77                 | 20.80                 | 20.58                  |                     |           |  |  |  |  |
| 15              | 16QAM      | 25      | 12        | 20.71                 | 20.89                 | 20.72                  |                     |           |  |  |  |  |
| 15              | 16QAM      | 25      | 25        | 20.78                 | 20.78                 | 20.59                  | 22                  | 2         |  |  |  |  |
| 15              | 16QAM      | 50      | 0         | 20.81                 | 20.78                 | 20.79                  |                     |           |  |  |  |  |
| 15              | 64QAM      | 1       | 0         | 20.86                 | 20.70                 | 20.73                  |                     |           |  |  |  |  |
| 15              | 64QAM      | 1       | 25        | 20.79                 | 20.65                 | 20.78                  |                     |           |  |  |  |  |
| 15              | 64QAM      | 1       | 49        | 20.52                 | 20.65                 | 20.74                  | 21                  | 3         |  |  |  |  |
| 15              | 64QAM      | 25      | 0         | 19.82                 | 19.86                 | 19.88                  |                     |           |  |  |  |  |
| 15              | 64QAM      | 25      | 12        | 19.86                 | 19.97                 | 19.88                  |                     |           |  |  |  |  |
| 15              | 64QAM      | 25      | 25        | 19.94                 | 19.92                 | 19.75                  |                     |           |  |  |  |  |
| 15              | 64QAM      | 50      | 0         | 19.80                 | 19.86                 | 19.78                  | 19                  | 5         |  |  |  |  |
| 15              | 256QAM     | 1       | 0         | 17.58                 | 17.58                 | 17.57                  |                     |           |  |  |  |  |
| 15              | 256QAM     | 1       | 25        | 17.54                 | 17.84                 | 17.54                  |                     |           |  |  |  |  |
| 15              | 256QAM     | 1       | 49        | 17.71                 | 17.86                 | 17.80                  |                     |           |  |  |  |  |
| 15              | 256QAM     | 25      | 0         | 17.65                 | 17.52                 | 17.70                  | 19                  | 5         |  |  |  |  |
| 15              | 256QAM     | 25      | 12        | 17.68                 | 17.52                 | 17.59                  |                     |           |  |  |  |  |
| 15              | 256QAM     | 25      | 25        | 17.70                 | 17.65                 | 17.61                  |                     |           |  |  |  |  |
| 15              | 256QAM     | 50      | 0         | 17.83                 | 17.74                 | 17.76                  |                     |           |  |  |  |  |
| Channel         |            |         |           |                       |                       |                        |                     |           |  |  |  |  |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                 | 846.5                  | Turn-up limit (dBm) | APPR (dB) |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 22.78                 | 22.74                 | 22.87                  | 24                  | 0         |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 22.80                 | 22.55                 | 22.89                  |                     |           |  |  |  |  |
| 5               | QPSK       | 1       | 24        | 22.72                 | 22.70                 | 22.86                  |                     |           |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 21.80                 | 21.78                 | 21.84                  |                     |           |  |  |  |  |
| 5               | QPSK       | 12      | 7         | 21.76                 | 21.65                 | 21.82                  | 23                  | 1         |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 21.67                 | 21.87                 | 21.79                  |                     |           |  |  |  |  |
| 5               | QPSK       | 26      | 0         | 21.63                 | 21.60                 | 21.87                  |                     |           |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 21.64                 | 21.53                 | 21.69                  |                     |           |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 21.66                 | 21.78                 | 21.72                  | 23                  | 1         |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 21.60                 | 21.75                 | 21.82                  |                     |           |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 20.79                 | 20.74                 | 20.79                  |                     |           |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 20.85                 | 20.77                 | 20.86                  |                     |           |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 20.81                 | 20.86                 | 20.89                  | 22                  | 2         |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 20.98                 | 20.78                 | 20.79                  |                     |           |  |  |  |  |
| 5               | 64QAM      | 1       | 0         | 20.83                 | 20.85                 | 20.64                  |                     |           |  |  |  |  |
| 5               | 64QAM      | 1       | 12        | 20.83                 | 20.71                 | 20.85                  |                     |           |  |  |  |  |
| 5               | 64QAM      | 1       | 24        | 20.68                 | 20.73                 | 20.70                  | 21                  | 3         |  |  |  |  |
| 5               | 64QAM      | 12      | 0         | 19.96                 | 19.78                 | 19.86                  |                     |           |  |  |  |  |
| 5               | 64QAM      | 12      | 7         | 19.89                 | 19.90                 | 19.87                  |                     |           |  |  |  |  |
| 5               | 64QAM      | 12      | 13        | 19.89                 | 19.80                 | 19.87                  |                     |           |  |  |  |  |
| 5               | 64QAM      | 25      | 0         | 19.69                 | 19.86                 | 19.73                  | 19                  | 5         |  |  |  |  |
| 5               | 256QAM     | 1       | 0         | 17.63                 | 17.60                 | 17.63                  |                     |           |  |  |  |  |
| 5               | 256QAM     | 1       | 12        | 17.71                 | 17.85                 | 17.83                  |                     |           |  |  |  |  |
| 5               | 256QAM     | 1       | 24        | 17.91                 | 17.87                 | 17.71                  |                     |           |  |  |  |  |
| 5               | 256QAM     | 12      | 0         | 17.62                 | 17.62                 | 17.61                  | 19                  | 5         |  |  |  |  |
| 5               | 256QAM     | 12      | 7         | 17.83                 | 17.58                 | 17.67                  |                     |           |  |  |  |  |
| 5               | 256QAM     | 12      | 13        | 17.62                 | 17.76                 | 17.87                  |                     |           |  |  |  |  |
| 5               | 256QAM     | 25      | 0         | 17.74                 | 17.77                 | 17.76                  |                     |           |  |  |  |  |
| Channel         |            |         |           |                       |                       |                        |                     |           |  |  |  |  |
| Frequency (MHz) |            |         |           | 815.5                 | 831.5                 | 847.5                  | Turn-up limit (dBm) | APPR (dB) |  |  |  |  |
| 3               | QPSK       | 1       | 0         | 22.83                 | 22.77                 | 22.87                  | 24                  | 0         |  |  |  |  |
| 3               | QPSK       | 1       | 8         | 22.84                 | 22.72                 | 22.47                  |                     |           |  |  |  |  |
| 3               | QPSK       | 1       | 14        | 22.76                 | 22.73                 | 22.72                  |                     |           |  |  |  |  |
| 3               | QPSK       | 8       | 0         | 21.75                 | 21.93                 | 21.84                  |                     |           |  |  |  |  |
| 3               | QPSK       | 8       | 4         | 21.71                 | 21.79                 | 21.89                  | 23                  | 1         |  |  |  |  |
| 3               | QPSK       | 8       | 7         | 21.62                 | 21.82                 | 21.63                  |                     |           |  |  |  |  |
| 3               | QPSK       | 15      | 0         | 21.44                 | 21.72                 | 21.69                  |                     |           |  |  |  |  |
| 3               | 16QAM      | 1       | 0         | 21.57                 | 21.52                 | 21.57                  |                     |           |  |  |  |  |
| 3               | 16QAM      | 1       | 8         | 21.62                 | 21.68                 | 21.75                  | 23                  | 1         |  |  |  |  |
| 3               | 16QAM      | 1       | 14        | 21.44                 | 21.65                 | 21.53                  |                     |           |  |  |  |  |
| 3               | 16QAM      | 8       | 0         | 20.70                 | 20.72                 | 20.79                  |                     |           |  |  |  |  |
| 3               | 16QAM      | 8       | 4         | 20.69                 | 20.75                 | 20.62                  |                     |           |  |  |  |  |
| 3               | 16QAM      | 8       | 7         | 20.85                 | 20.78                 | 20.78                  | 22                  | 2         |  |  |  |  |
| 3               | 16QAM      | 15      | 0         | 21.00                 | 20.61                 | 20.89                  |                     |           |  |  |  |  |
| 3               | 64QAM      | 1       | 0         | 20.77                 | 20.67                 | 20.69                  |                     |           |  |  |  |  |
| 3               | 64QAM      | 1       | 8         | 20.93                 | 20.68                 | 20.77                  |                     |           |  |  |  |  |
| 3               | 64QAM      | 1       | 14        | 20.81                 | 20.78                 | 20.73                  | 21                  | 3         |  |  |  |  |
| 3               | 64QAM      | 8       | 0         | 19.92                 | 19.85                 | 19.82                  |                     |           |  |  |  |  |
| 3               | 64QAM      | 8       | 4         | 19.97                 | 19.79                 | 19.89                  |                     |           |  |  |  |  |
| 3               | 64QAM      | 8       | 7         | 19.86                 | 19.77                 | 19.79                  |                     |           |  |  |  |  |
| 3               | 64QAM      | 15      | 0         | 19.69                 | 19.83                 | 19.84                  | 19                  | 5         |  |  |  |  |
| 3               | 256QAM     | 1       | 0         | 17.70                 | 17.69                 | 17.68                  |                     |           |  |  |  |  |
| 3               | 256QAM     | 1       | 8         | 17.66                 | 17.81                 | 17.78                  |                     |           |  |  |  |  |
| 3               | 256QAM     | 1       | 14        | 17.75                 | 17.88                 | 17.71                  |                     |           |  |  |  |  |
| 3               | 256QAM     | 8       | 0         | 17.77                 | 17.66                 | 17.81                  | 19                  | 5         |  |  |  |  |
| 3               | 256QAM     | 8       | 4         | 17.78                 | 17.69                 | 17.86                  |                     |           |  |  |  |  |
| 3               | 256QAM     | 8       | 7         | 17.79                 | 17.88                 | 17.85                  |                     |           |  |  |  |  |
| 3               | 256QAM     | 15      | 0         | 17.75                 | 17.69                 | 17.81                  |                     |           |  |  |  |  |
| Channel         |            |         |           |                       |                       |                        |                     |           |  |  |  |  |
| Frequency (MHz) |            |         |           | 816.9                 | 831.5                 | 847.5                  | Turn-up limit (dBm) | APPR (dB) |  |  |  |  |
| 14              | QPSK       | 1       | 0         | 21.42                 | 21.82                 | 21.43                  | 24                  | 0         |  |  |  |  |
| 14              | QPSK       | 1       | 8         | 21.46                 | 21.82                 | 21.42                  |                     |           |  |  |  |  |
| 14              | QPSK       | 1       | 16        | 21.48                 | 21.80                 | 21.44                  |                     |           |  |  |  |  |
| 14              | QPSK       | 8       | 0         | 20.81                 | 22.80                 | 22.84                  |                     |           |  |  |  |  |
| 14              | QPSK       | 8       | 4         | 20.84                 | 22.80                 | 22.84                  | 23                  | 1         |  |  |  |  |
| 14              | QPSK       | 8       | 7         | 20.84                 | 22.80                 | 22.84                  |                     |           |  |  |  |  |
| 14              | QPSK       | 16      | 0         | 20.81                 | 22.84                 | 22.82                  |                     |           |  |  |  |  |
| 14              | QPSK       | 32      | 0         | 20.87                 | 22.81                 | 22.63                  |                     |           |  |  |  |  |
| 14              | 16QAM      | 1       | 0         | 21.72                 | 21.72                 | 21.72                  | 23                  | 1         |  |  |  |  |
| 14              | 16QAM      | 1       | 8         | 21.73                 | 21.72                 | 21.72                  |                     |           |  |  |  |  |
| 14              | 16QAM      | 1       | 16        | 21.64                 | 21.72                 | 21.72                  |                     |           |  |  |  |  |
| 14              | 16QAM      | 8       | 0         | 21.69                 | 21.70                 | 21.80                  |                     |           |  |  |  |  |
| 14              | 16QAM      | 8       | 4         | 21.67                 | 21.70                 | 21.80                  | 23                  | 1         |  |  |  |  |
| 14              | 16QAM      | 8       | 7         | 21.68                 | 21.70                 | 21.80                  |                     |           |  |  |  |  |
| 14              | 16QAM      | 16      | 0         | 21.54                 | 21.65                 | 21.60                  |                     |           |  |  |  |  |
| 14              | 16QAM      | 16      | 8         | 21.74                 | 21.59                 | 21.63                  |                     |           |  |  |  |  |
| 14              | 16QAM      | 32      | 0         | 20.80                 | 20.60                 | 20.77                  | 22                  | 2         |  |  |  |  |
| 14              | 16QAM      | 32      | 8         | 20.88                 | 20.83                 | 20.77                  |                     |           |  |  |  |  |
| 14              | 64QAM      | 1       | 0         | 20.87                 | 20.80                 | 20.77                  |                     |           |  |  |  |  |
| 14              | 64QAM      | 1       | 8         | 20.93                 | 20.80                 | 20.77                  |                     |           |  |  |  |  |
| 14              | 64QAM      | 1       | 16        | 20.87                 | 20.80                 | 20.77                  | 21                  | 3         |  |  |  |  |
| 14              | 64QAM      | 8       | 0         | 19.89                 | 19.98                 | 19.84                  |                     |           |  |  |  |  |
| 14              | 64QAM      | 8       | 4         | 19.94                 | 19.87                 | 19.84                  |                     |           |  |  |  |  |
| 14              | 64QAM      | 8       | 7         | 19.91                 | 19.80                 | 19.78                  |                     |           |  |  |  |  |
| 14              | 64QAM      | 16      | 0         | 19.89                 | 19.98                 | 19.84                  | 19                  | 5         |  |  |  |  |
| 14              | 256QAM     | 1       | 0         | 17.73                 | 17.68                 | 17.85                  |                     |           |  |  |  |  |
| 14              | 256QAM     | 1       | 8         | 17.68                 | 17.82                 | 17.78                  |                     |           |  |  |  |  |
| 14              | 256QAM     | 1       | 16        | 17.67                 | 17.66                 | 17.58                  |                     |           |  |  |  |  |
| 14              | 256QAM     | 8       | 0         | 17.72                 | 17.72                 | 17.74                  | 19                  | 5         |  |  |  |  |
| 14              | 256QAM     | 8       | 4         | 17.73                 | 17.72                 | 17.74                  |                     |           |  |  |  |  |
| 14              | 256QAM     | 8       | 7         | 17.73                 | 17.72                 | 17.74                  |                     |           |  |  |  |  |
| 14              | 256QAM     | 16      | 0         | 17.72                 | 17.72                 | 17.74                  |                     |           |  |  |  |  |

| GSM1900 Ant 1   | Burst Average Power (dBm) |        |        | Tune-up Limit (dBm) | Frame-Average Power (dBm) |        |        | Tune-up Limit (dBm) |
|-----------------|---------------------------|--------|--------|---------------------|---------------------------|--------|--------|---------------------|
|                 | 512                       | 661    | 810    |                     | 512                       | 661    | 810    |                     |
| TX Channel      | 1550.2                    | 1550.2 | 1550.2 | 1550.2              | 1550.2                    | 1550.2 | 1550.2 | 1550.2              |
| Frequency (MHz) | 29.15                     | 29.16  | 29.09  | 30.50               | 20.15                     | 20.16  | 20.09  | 21.50               |
| GSM 1 Tx slot   | 29.12                     | 29.14  | 29.05  | 30.50               | 20.12                     | 20.14  | 20.05  | 21.50               |
| GPRS 2 Tx slot  | 25.60                     | 25.63  | 25.81  | 26.50               | 19.60                     | 19.63  | 19.81  | 20.50               |
| GPRS 3 Tx slot  | 23.92                     | 23.73  | 23.93  | 25.00               | 19.66                     | 19.47  | 19.67  | 20.74               |
| GPRS 4 Tx slot  | 22.30                     | 22.37  | 22.38  | 23.50               | 19.30                     | 19.37  | 19.38  | 20.50               |
| EDGE 1 Tx slot  | 25.37                     | 25.19  | 25.38  | 26.50               | 16.37                     | 16.19  | 16.38  | 17.50               |
| EDGE 2 Tx slot  | 23.65                     | 23.64  | 23.75  | 24.50               | 17.65                     | 17.64  | 17.75  | 18.50               |
| EDGE 3 Tx slot  | 21.78                     | 21.76  | 21.81  | 23.00               | 17.52                     | 17.50  | 17.55  | 18.74               |
| EDGE 4 Tx slot  | 19.85                     | 19.69  | 19.88  | 21.00               | 16.85                     | 16.69  | 16.88  | 18.00               |

| Band            | WCDMA II Ant 1     |        |        | Tune-up Limit (dBm) | WCDMA IV Ant 1 |        |        | Tune-up Limit (dBm) |
|-----------------|--------------------|--------|--------|---------------------|----------------|--------|--------|---------------------|
|                 | 9262               | 9400   | 9538   |                     | 1312           | 1413   | 1513   |                     |
| TX Channel      | 9562               | 9600   | 9938   | 1537                | 1537           | 1638   | 1738   | 1738                |
| Rx Channel      | 1532.4             | 1532.4 | 1532.4 | 1532.4              | 1532.4         | 1532.4 | 1532.4 | 1532.4              |
| Frequency (MHz) | 22.56              | 22.80  | 22.75  | 24.00               | 22.83          | 22.70  | 22.72  | 24.00               |
| 3GPP Rel 99     | AMR 12.2Kbps       | 22.76  | 22.81  | 22.78               | 24.00          | 22.87  | 22.92  | 22.89               |
| 3GPP Rel 99     | RMC 12.2Kbps       | 21.65  | 21.80  | 21.66               | 23.00          | 21.75  | 21.73  | 21.84               |
| 3GPP Rel 6      | HSDPA Subtest-1    | 21.83  | 21.92  | 21.69               | 23.00          | 21.83  | 21.75  | 21.75               |
| 3GPP Rel 6      | HSDPA Subtest-2    | 21.42  | 21.33  | 21.35               | 22.50          | 21.33  | 21.49  | 21.47               |
| 3GPP Rel 6      | HSDPA Subtest-3    | 21.38  | 21.48  | 21.39               | 22.50          | 21.29  | 21.43  | 21.42               |
| 3GPP Rel 6      | HSDPA Subtest-4    | 21.75  | 21.83  | 21.82               | 23.00          | 21.74  | 21.90  | 21.86               |
| 3GPP Rel 8      | DC-HSDPA Subtest-1 | 21.84  | 21.91  | 21.86               | 23.00          | 21.68  | 21.82  | 21.76               |
| 3GPP Rel 8      | DC-HSDPA Subtest-2 | 21.42  | 21.52  | 21.42               | 22.50          | 21.25  | 21.46  | 21.40               |
| 3GPP Rel 8      | DC-HSDPA Subtest-3 | 21.43  | 21.48  | 21.38               | 22.50          | 21.29  | 21.37  | 21.27               |
| 3GPP Rel 8      | DC-HSDPA Subtest-4 | 21.72  | 21.79  | 21.86               | 23.00          | 21.74  | 21.80  | 21.76               |
| 3GPP Rel 6      | HSUPA Subtest-1    | 19.70  | 19.79  | 19.67               | 21.00          | 19.83  | 19.82  | 19.78               |
| 3GPP Rel 6      | HSUPA Subtest-2    | 20.87  | 20.88  | 20.95               | 22.00          | 20.83  | 20.89  | 20.92               |
| 3GPP Rel 6      | HSUPA Subtest-3    | 19.76  | 19.79  | 19.86               | 21.00          | 19.95  | 19.93  | 19.86               |
| 3GPP Rel 6      | HSUPA Subtest-4    | 21.78  | 21.81  | 21.80               | 23.00          | 21.68  | 21.79  | 21.85               |
| 3GPP Rel 6      | HSUPA Subtest-5    |        |        |                     |                |        |        |                     |

| Band 2 Ant 1    |            |          |            |             |             |             |                    |          |  |  |
|-----------------|------------|----------|------------|-------------|-------------|-------------|--------------------|----------|--|--|
| BW (MHz)        | Modulation | RIS Size | RIS Offset | Power (W)   | Power (W)   | Power (W)   | Turn-on time (sec) | MFR (dB) |  |  |
| Channel         |            |          |            | Ch. 1 Freq. | Ch. 2 Freq. | Ch. 3 Freq. |                    |          |  |  |
| Frequency (MHz) |            |          |            | 1800        | 1800        | 1800        |                    |          |  |  |
| 20              | QPSK       | 1        | 0          | 22.72       | 22.80       | 22.88       |                    |          |  |  |
| 20              | QPSK       | 1        | 8          | 22.80       | 22.88       | 22.96       |                    |          |  |  |
| 20              | QPSK       | 1        | 16         | 22.88       | 22.96       | 23.04       |                    |          |  |  |
| 20              | QPSK       | 1        | 24         | 22.96       | 23.04       | 23.12       |                    |          |  |  |
| 20              | QPSK       | 1        | 32         | 23.04       | 23.12       | 23.20       |                    |          |  |  |
| 20              | QPSK       | 1        | 40         | 23.12       | 23.20       | 23.28       |                    |          |  |  |
| 20              | QPSK       | 1        | 48         | 23.20       | 23.28       | 23.36       |                    |          |  |  |
| 20              | QPSK       | 1        | 56         | 23.28       | 23.36       | 23.44       |                    |          |  |  |
| 20              | QPSK       | 1        | 64         | 23.36       | 23.44       | 23.52       |                    |          |  |  |
| 20              | QPSK       | 1        | 72         | 23.44       | 23.52       | 23.60       |                    |          |  |  |
| 20              | QPSK       | 1        | 80         | 23.52       | 23.60       | 23.68       |                    |          |  |  |
| 20              | QPSK       | 1        | 88         | 23.60       | 23.68       | 23.76       |                    |          |  |  |
| 20              | QPSK       | 1        | 96         | 23.68       | 23.76       | 23.84       |                    |          |  |  |
| 20              | QPSK       | 1        | 104        | 23.76       | 23.84       | 23.92       |                    |          |  |  |
| 20              | QPSK       | 1        | 112        | 23.84       | 23.92       | 24.00       |                    |          |  |  |
| 20              | QPSK       | 1        | 120        | 23.92       | 24.00       | 24.08       |                    |          |  |  |
| 20              | QPSK       | 1        | 128        | 24.00       | 24.08       | 24.16       |                    |          |  |  |
| 20              | QPSK       | 1        | 136        | 24.08       | 24.16       | 24.24       |                    |          |  |  |
| 20              | QPSK       | 1        | 144        | 24.16       | 24.24       | 24.32       |                    |          |  |  |
| 20              | QPSK       | 1        | 152        | 24.24       | 24.32       | 24.40       |                    |          |  |  |
| 20              | QPSK       | 1        | 160        | 24.32       | 24.40       | 24.48       |                    |          |  |  |
| 20              | QPSK       | 1        | 168        | 24.40       | 24.48       | 24.56       |                    |          |  |  |
| 20              | QPSK       | 1        | 176        | 24.48       | 24.56       | 24.64       |                    |          |  |  |
| 20              | QPSK       | 1        | 184        | 24.56       | 24.64       | 24.72       |                    |          |  |  |
| 20              | QPSK       | 1        | 192        | 24.64       | 24.72       | 24.80       |                    |          |  |  |
| 20              | QPSK       | 1        | 200        | 24.72       | 24.80       | 24.88       |                    |          |  |  |
| 20              | QPSK       | 1        | 208        | 24.80       | 24.88       | 24.96       |                    |          |  |  |
| 20              | QPSK       | 1        | 216        | 24.88       | 24.96       | 25.04       |                    |          |  |  |
| 20              | QPSK       | 1        | 224        | 24.96       | 25.04       | 25.12       |                    |          |  |  |
| 20              | QPSK       | 1        | 232        | 25.04       | 25.12       | 25.20       |                    |          |  |  |
| 20              | QPSK       | 1        | 240        | 25.12       | 25.20       | 25.28       |                    |          |  |  |
| 20              | QPSK       | 1        | 248        | 25.20       | 25.28       | 25.36       |                    |          |  |  |
| 20              | QPSK       | 1        | 256        | 25.28       | 25.36       | 25.44       |                    |          |  |  |
| 20              | QPSK       | 1        | 264        | 25.36       | 25.44       | 25.52       |                    |          |  |  |
| 20              | QPSK       | 1        | 272        | 25.44       | 25.52       | 25.60       |                    |          |  |  |
| 20              | QPSK       | 1        | 280        | 25.52       | 25.60       | 25.68       |                    |          |  |  |
| 20              | QPSK       | 1        | 288        | 25.60       | 25.68       | 25.76       |                    |          |  |  |
| 20              | QPSK       | 1        | 296        | 25.68       | 25.76       | 25.84       |                    |          |  |  |
| 20              | QPSK       | 1        | 304        | 25.76       | 25.84       | 25.92       |                    |          |  |  |
| 20              | QPSK       | 1        | 312        | 25.84       | 25.92       | 26.00       |                    |          |  |  |
| 20              | QPSK       | 1        | 320        | 25.92       | 26.00       | 26.08       |                    |          |  |  |
| 20              | QPSK       | 1        | 328        | 26.00       | 26.08       | 26.16       |                    |          |  |  |
| 20              | QPSK       | 1        | 336        | 26.08       | 26.16       | 26.24       |                    |          |  |  |
| 20              | QPSK       | 1        | 344        | 26.16       | 26.24       | 26.32       |                    |          |  |  |
| 20              | QPSK       | 1        | 352        | 26.24       | 26.32       | 26.40       |                    |          |  |  |
| 20              | QPSK       | 1        | 360        | 26.32       | 26.40       | 26.48       |                    |          |  |  |
| 20              | QPSK       | 1        | 368        | 26.40       | 26.48       | 26.56       |                    |          |  |  |
| 20              | QPSK       | 1        | 376        | 26.48       | 26.56       | 26.64       |                    |          |  |  |
| 20              | QPSK       | 1        | 384        | 26.56       | 26.64       | 26.72       |                    |          |  |  |
| 20              | QPSK       | 1        | 392        | 26.64       | 26.72       | 26.80       |                    |          |  |  |
| 20              | QPSK       | 1        | 400        | 26.72       | 26.80       | 26.88       |                    |          |  |  |
| 20              | QPSK       | 1        | 408        | 26.80       | 26.88       | 26.96       |                    |          |  |  |
| 20              | QPSK       | 1        | 416        | 26.88       | 26.96       | 27.04       |                    |          |  |  |
| 20              | QPSK       | 1        | 424        | 26.96       | 27.04       | 27.12       |                    |          |  |  |
| 20              | QPSK       | 1        | 432        | 27.04       | 27.12       | 27.20       |                    |          |  |  |
| 20              | QPSK       | 1        | 440        | 27.12       | 27.20       | 27.28       |                    |          |  |  |
| 20              | QPSK       | 1        | 448        | 27.20       | 27.28       | 27.36       |                    |          |  |  |
| 20              | QPSK       | 1        | 456        | 27.28       | 27.36       | 27.44       |                    |          |  |  |
| 20              | QPSK       | 1        | 464        | 27.36       | 27.44       | 27.52       |                    |          |  |  |
| 20              | QPSK       | 1        | 472        | 27.44       | 27.52       | 27.60       |                    |          |  |  |
| 20              | QPSK       | 1        | 480        | 27.52       | 27.60       | 27.68       |                    |          |  |  |
| 20              | QPSK       | 1        | 488        | 27.60       | 27.68       | 27.76       |                    |          |  |  |
| 20              | QPSK       | 1        | 496        | 27.68       | 27.76       | 27.84       |                    |          |  |  |
| 20              | QPSK       | 1        | 504        | 27.76       | 27.84       | 27.92       |                    |          |  |  |
| 20              | QPSK       | 1        | 512        | 27.84       | 27.92       | 28.00       |                    |          |  |  |
| 20              | QPSK       | 1        | 520        | 27.92       | 28.00       | 28.08       |                    |          |  |  |
| 20              | QPSK       | 1        | 528        | 28.00       | 28.08       | 28.16       |                    |          |  |  |
| 20              | QPSK       | 1        | 536        | 28.08       | 28.16       | 28.24       |                    |          |  |  |
| 20              | QPSK       | 1        | 544        | 28.16       | 28.24       | 28.32       |                    |          |  |  |
| 20              | QPSK       | 1        | 552        | 28.24       | 28.32       | 28.40       |                    |          |  |  |
| 20              | QPSK       | 1        | 560        | 28.32       | 28.40       | 28.48       |                    |          |  |  |
| 20              | QPSK       | 1        | 568        | 28.40       | 28.48       | 28.56       |                    |          |  |  |
| 20              | QPSK       | 1        | 576        | 28.48       | 28.56       | 28.64       |                    |          |  |  |
| 20              | QPSK       | 1        | 584        | 28.56       | 28.64       | 28.72       |                    |          |  |  |
| 20              | QPSK       | 1        | 592        | 28.64       | 28.72       | 28.80       |                    |          |  |  |
| 20              | QPSK       | 1        | 600        | 28.72       | 28.80       | 28.88       |                    |          |  |  |
| 20              | QPSK       | 1        | 608        | 28.80       | 28.88       | 28.96       |                    |          |  |  |
| 20              | QPSK       | 1        | 616        | 28.88       | 28.96       | 29.04       |                    |          |  |  |
| 20              | QPSK       | 1        | 624        | 28.96       | 29.04       | 29.12       |                    |          |  |  |
| 20              | QPSK       | 1        | 632        | 29.04       | 29.12       | 29.20       |                    |          |  |  |
| 20              | QPSK       | 1        | 640        | 29.12       | 29.20       | 29.28       |                    |          |  |  |
| 20              | QPSK       | 1        | 648        | 29.20       | 29.28       | 29.36       |                    |          |  |  |
| 20              | QPSK       | 1        | 656        | 29.28       | 29.36       | 29.44       |                    |          |  |  |
| 20              | QPSK       | 1        | 664        | 29.36       | 29.44       | 29.52       |                    |          |  |  |
| 20              | QPSK       | 1        | 672        | 29.44       | 29.52       | 29.60       |                    |          |  |  |
| 20              | QPSK       | 1        | 680        | 29.52       | 29.60       | 29.68       |                    |          |  |  |
| 20              | QPSK       | 1        | 688        | 29.60       | 29.68       | 29.76       |                    |          |  |  |
| 20              | QPSK       | 1        | 696        | 29.68       | 29.76       | 29.84       |                    |          |  |  |
| 20              | QPSK       | 1        | 704        | 29.76       | 29.84       | 29.92       |                    |          |  |  |
| 20              | QPSK       | 1        | 712        | 29.84       | 29.92       | 30.00       |                    |          |  |  |
| 20              | QPSK       | 1        | 720        | 29.92       | 30.00       | 30.08       |                    |          |  |  |
| 20              | QPSK       | 1        | 728        | 30.00       | 30.08       | 30.16       |                    |          |  |  |
| 20              | QPSK       | 1        | 736        | 30.08       | 30.16       | 30.24       |                    |          |  |  |
| 20              | QPSK       | 1        | 744        | 30.16       | 30.24       | 30.32       |                    |          |  |  |
| 20              | QPSK       | 1        | 752        | 30.24       | 30.32       | 30.40       |                    |          |  |  |
| 20              | QPSK       | 1        | 760        | 30.32       | 30.40       | 30.48       |                    |          |  |  |
| 20              | QPSK       | 1        | 768        | 30.40       | 30.48       | 30.56       |                    |          |  |  |
| 20              | QPSK       | 1        | 776        | 30.48       | 30.56       | 30.64       |                    |          |  |  |
| 20              | QPSK       | 1        | 784        | 30.56       | 30.64       | 30.72       |                    |          |  |  |
| 20              | QPSK       | 1        | 792        | 30.64       | 30.72       | 30.80       |                    |          |  |  |
| 20              | QPSK       | 1        | 800        | 30.72       | 30.80       | 30.88       |                    |          |  |  |
| 20              | QPSK       | 1        | 808        | 30.80       | 30.88       | 30.96       |                    |          |  |  |
| 20              | QPSK       | 1        | 816        | 30.88       | 30.96       | 31.04       |                    |          |  |  |
| 20              | QPSK       | 1        | 824        | 30.96       | 31.04       | 31.12       |                    |          |  |  |
| 20              | QPSK       | 1        | 832        | 31.04       | 31.12       | 31.20       |                    |          |  |  |
| 20              | QPSK       | 1        | 840        | 31.12       | 31.20       | 31.28       |                    |          |  |  |
| 20              | QPSK       | 1        | 848        | 31.20       | 31.28       | 31.36       |                    |          |  |  |
| 20              | QPSK       | 1        | 856        | 31.28       | 31.36       | 31.44       |                    |          |  |  |
| 20              | QPSK       | 1        | 864        | 31.36       | 31.44       | 31.52       |                    |          |  |  |
| 20              | QPSK       | 1        | 872        | 31.44       | 31.52       | 31.60       |                    |          |  |  |
| 20              | QPSK       | 1        | 880        | 31.52       | 31.60       | 31.68       |                    |          |  |  |
| 20              | QPSK       | 1        | 888        | 31.60       | 31.68       | 31.76       |                    |          |  |  |
| 20              | QPSK       | 1        | 896        | 31.68       | 31.76       | 31.84       |                    |          |  |  |
| 20              | QPSK       | 1        | 904        | 31.76       | 31.84       | 31.92       |                    |          |  |  |
| 20              | QPSK       | 1        | 912        | 31.84       | 31.92       | 32.00       |                    |          |  |  |
| 20              | QPSK       | 1        | 920        | 31.92       | 32.00       | 32.08       |                    |          |  |  |
| 20              | QPSK       | 1        | 928        | 32.00       | 32.08       | 32.16       |                    |          |  |  |
| 20              | QPSK       | 1        | 936        | 32.08       | 32.16       | 32.24       |                    |          |  |  |
| 20              | QPSK       | 1        | 944        | 32.16       | 32.24       | 32.32       |                    |          |  |  |
| 20              | QPSK       | 1        | 952        | 32.24       | 32.32       | 32.40       |                    |          |  |  |
| 20              | QPSK       | 1        | 960        | 32.32       | 32.40       | 32.48       |                    |          |  |  |
| 20              | QPSK       | 1        | 968        | 32.40       | 32.48       | 32.56       |                    |          |  |  |
| 20              | QPSK       | 1        | 976        | 32.48       | 32.56       | 32.64       |                    |          |  |  |
| 20              | QPSK       | 1        | 984        | 32.56       | 32.64       | 32.72       |                    |          |  |  |
| 20              | QPSK       | 1        | 992        | 32.64       | 32.72       | 32.80       |                    |          |  |  |
| 20              | QPSK       | 1        | 1000       | 32.72       | 32.80       | 32.88       |                    |          |  |  |
| 20              | QPSK       | 1        | 1008       | 32.80       | 32.88       | 32.96       |                    |          |  |  |
| 20              | QPSK       | 1        | 1016       | 32.88       | 32.96       | 33.04       |                    |          |  |  |
| 20              | QPSK       | 1        | 1024       | 32.96       | 33.04       | 33.12       |                    |          |  |  |
| 20              | QPSK       | 1        | 1032       | 33.04       | 33.12       | 33.20       |                    |          |  |  |
| 20              | QPSK       | 1        | 1040       | 33.12       | 33.20       | 33.28       |                    |          |  |  |
| 20              | QPSK       | 1        | 1048       | 33.20       | 33.28       | 33.36       |                    |          |  |  |
| 20              | QPSK       | 1        | 1056       | 33.28       | 33.36       | 33.44       |                    |          |  |  |
| 20              | QPSK       | 1        | 1064       | 33.36       | 33.44       | 33.52       |                    |          |  |  |
| 20              | QPSK       | 1        | 1072       | 33.44       | 33.52       | 33.60       |                    |          |  |  |
| 20              | QPSK       | 1        | 1080       | 33.52       | 33.60       | 33.68       |                    |          |  |  |
| 20              | QPSK       | 1        | 1088       | 33.60       | 33.68       | 33.76       |                    |          |  |  |
| 20              | QPSK       | 1        | 1096       | 33.68       | 33.76       | 33.84       |                    |          |  |  |
| 20              | QPSK       | 1        | 1104       | 33.76       | 33.84       | 33.92       |                    |          |  |  |
| 20              | QPSK       | 1        | 1112       | 33.84       | 33.92       | 34.00       |                    |          |  |  |
| 20              | QPSK       | 1        | 1120       | 33.92       | 34.00       | 34.08       |                    |          |  |  |
| 20              | QPSK       | 1        | 1128       | 34.00       | 34.08       | 34.16       |                    |          |  |  |
| 20              | QPSK       | 1        | 1136       | 34.08       | 34.16       | 34.24       |                    |          |  |  |
| 20              | QPSK       | 1        | 1144       | 34.16       | 34.24       | 34.32       |                    |          |  |  |
| 20              | QPSK       | 1        | 1152       | 34.24       | 34.32       | 34.40       |                    |          |  |  |
| 20              | QPSK       | 1        | 1160       | 34.32       | 34.40       | 34.48       |                    |          |  |  |
| 20              | QPSK       | 1        | 1168       | 34.40       | 34.48       | 3           |                    |          |  |  |

| Band 66 Ant 1   |            |         |           |                       |                       |                        |             |          |  |  |  |  |  |  |
|-----------------|------------|---------|-----------|-----------------------|-----------------------|------------------------|-------------|----------|--|--|--|--|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Mid Ch. / Freq. | Power High Ch. / Freq. | Turnup (dB) | MPE (dB) |  |  |  |  |  |  |
| Channel         |            |         |           |                       |                       |                        |             |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                       |                       |                        |             |          |  |  |  |  |  |  |
| 20              | QPSK       | 1       | 0         | 22.70                 | 22.97                 | 22.68                  | 24          | 0        |  |  |  |  |  |  |
| 20              | QPSK       | 1       | 48        | 22.68                 | 22.74                 | 22.43                  |             |          |  |  |  |  |  |  |
| 20              | QPSK       | 1       | 96        | 22.70                 | 22.86                 | 22.82                  |             |          |  |  |  |  |  |  |
| 20              | QPSK       | 50      | 0         | 21.69                 | 21.85                 | 21.79                  |             |          |  |  |  |  |  |  |
| 20              | QPSK       | 50      | -24       | 21.63                 | 21.82                 | 21.78                  | 23          | 1        |  |  |  |  |  |  |
| 20              | QPSK       | 50      | 50        | 21.63                 | 21.81                 | 21.81                  |             |          |  |  |  |  |  |  |
| 20              | QPSK       | 100     | 0         | 21.59                 | 21.68                 | 21.78                  |             |          |  |  |  |  |  |  |
| 20              | 16QAM      | 1       | 0         | 21.58                 | 21.60                 | 21.63                  |             |          |  |  |  |  |  |  |
| 20              | 16QAM      | 1       | 48        | 21.69                 | 21.71                 | 21.69                  | 23          | 1        |  |  |  |  |  |  |
| 20              | 16QAM      | 1       | 96        | 21.60                 | 21.82                 | 21.74                  |             |          |  |  |  |  |  |  |
| 20              | 16QAM      | 50      | 0         | 20.75                 | 20.71                 | 20.78                  |             |          |  |  |  |  |  |  |
| 20              | 16QAM      | 50      | 24        | 20.77                 | 20.89                 | 20.98                  |             |          |  |  |  |  |  |  |
| 20              | 16QAM      | 50      | 50        | 20.80                 | 20.85                 | 20.72                  | 22          | 2        |  |  |  |  |  |  |
| 20              | 16QAM      | 100     | 0         | 20.84                 | 20.85                 | 20.98                  |             |          |  |  |  |  |  |  |
| 20              | 64QAM      | 1       | 0         | 20.67                 | 20.74                 | 20.63                  |             |          |  |  |  |  |  |  |
| 20              | 64QAM      | 1       | 48        | 20.71                 | 20.70                 | 20.71                  |             |          |  |  |  |  |  |  |
| 20              | 64QAM      | 1       | 96        | 20.72                 | 20.78                 | 20.88                  | 22          | 2        |  |  |  |  |  |  |
| 20              | 64QAM      | 50      | 0         | 19.80                 | 19.64                 | 19.81                  |             |          |  |  |  |  |  |  |
| 20              | 64QAM      | 50      | 24        | 20.01                 | 19.81                 | 19.81                  |             |          |  |  |  |  |  |  |
| 20              | 64QAM      | 50      | 50        | 19.78                 | 19.61                 | 19.89                  |             |          |  |  |  |  |  |  |
| 20              | 64QAM      | 100     | 0         | 19.88                 | 19.83                 | 19.70                  | 19          | 5        |  |  |  |  |  |  |
| 20              | 256QAM     | 1       | 0         | 17.60                 | 17.67                 | 17.37                  |             |          |  |  |  |  |  |  |
| 20              | 256QAM     | 1       | 48        | 17.59                 | 17.67                 | 17.62                  |             |          |  |  |  |  |  |  |
| 20              | 256QAM     | 1       | 96        | 17.84                 | 17.80                 | 17.69                  |             |          |  |  |  |  |  |  |
| 20              | 256QAM     | 50      | 0         | 17.54                 | 17.49                 | 17.68                  |             |          |  |  |  |  |  |  |
| 20              | 256QAM     | 50      | 24        | 17.87                 | 17.55                 | 17.79                  |             |          |  |  |  |  |  |  |
| 20              | 256QAM     | 50      | 50        | 17.81                 | 17.85                 | 17.76                  |             |          |  |  |  |  |  |  |
| 20              | 256QAM     | 100     | 0         | 17.64                 | 17.60                 | 17.83                  | Turnup (dB) | MPE (dB) |  |  |  |  |  |  |
| Channel         |            |         |           |                       |                       |                        |             |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                       |                       |                        |             |          |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 0         | 22.64                 | 22.85                 | 22.81                  | 24          | 0        |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 32        | 22.86                 | 22.73                 | 22.93                  |             |          |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 74        | 22.68                 | 22.81                 | 22.68                  |             |          |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 0         | 21.63                 | 21.74                 | 21.73                  |             |          |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 20        | 21.81                 | 21.79                 | 21.60                  | 23          | 1        |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 39        | 21.81                 | 21.79                 | 21.71                  |             |          |  |  |  |  |  |  |
| 15              | QPSK       | 75      | 0         | 21.63                 | 21.71                 | 21.68                  |             |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 21.58                 | 21.74                 | 21.58                  |             |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 32        | 21.57                 | 21.65                 | 21.72                  | 23          | 1        |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 21.73                 | 21.68                 | 21.80                  |             |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 20.70                 | 20.74                 | 20.58                  |             |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 20.72                 | 20.87                 | 20.70                  |             |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 39        | 20.72                 | 20.77                 | 20.88                  | 22          | 2        |  |  |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 20.63                 | 20.78                 | 20.95                  |             |          |  |  |  |  |  |  |
| 15              | 64QAM      | 1       | 0         | 20.68                 | 20.68                 | 20.65                  |             |          |  |  |  |  |  |  |
| 15              | 64QAM      | 1       | 32        | 20.83                 | 20.78                 | 20.71                  |             |          |  |  |  |  |  |  |
| 15              | 64QAM      | 1       | 74        | 20.52                 | 20.65                 | 20.65                  | 21          | 3        |  |  |  |  |  |  |
| 15              | 64QAM      | 36      | 0         | 19.81                 | 19.78                 | 19.77                  |             |          |  |  |  |  |  |  |
| 15              | 64QAM      | 36      | 20        | 19.86                 | 19.91                 | 19.78                  |             |          |  |  |  |  |  |  |
| 15              | 64QAM      | 36      | 39        | 19.97                 | 19.92                 | 19.75                  |             |          |  |  |  |  |  |  |
| 15              | 64QAM      | 75      | 0         | 19.83                 | 19.82                 | 19.96                  | 19          | 5        |  |  |  |  |  |  |
| 15              | 256QAM     | 1       | 0         | 17.62                 | 17.58                 | 17.85                  |             |          |  |  |  |  |  |  |
| 15              | 256QAM     | 1       | 32        | 17.62                 | 17.74                 | 17.67                  |             |          |  |  |  |  |  |  |
| 15              | 256QAM     | 1       | 74        | 17.89                 | 17.84                 | 17.75                  |             |          |  |  |  |  |  |  |
| 15              | 256QAM     | 36      | 0         | 17.62                 | 17.58                 | 17.68                  | 19          | 5        |  |  |  |  |  |  |
| 15              | 256QAM     | 36      | 20        | 17.88                 | 17.55                 | 17.70                  |             |          |  |  |  |  |  |  |
| 15              | 256QAM     | 36      | 39        | 17.85                 | 17.81                 | 17.89                  |             |          |  |  |  |  |  |  |
| 15              | 256QAM     | 75      | 0         | 17.64                 | 17.68                 | 17.78                  |             |          |  |  |  |  |  |  |
| Channel         |            |         |           |                       |                       |                        |             |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                       |                       |                        |             |          |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 0         | 22.60                 | 22.90                 | 22.87                  | 24          | 0        |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 25        | 22.73                 | 22.53                 | 22.59                  |             |          |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 48        | 22.66                 | 22.87                 | 22.81                  |             |          |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 0         | 21.66                 | 21.80                 | 21.79                  |             |          |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 12        | 21.71                 | 21.78                 | 21.54                  | 23          | 1        |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 25        | 21.73                 | 21.79                 | 21.66                  |             |          |  |  |  |  |  |  |
| 10              | QPSK       | 50      | 0         | 21.52                 | 21.64                 | 21.73                  |             |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 21.57                 | 21.67                 | 21.77                  |             |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 21.71                 | 21.79                 | 21.58                  | 23          | 1        |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 48        | 21.50                 | 21.68                 | 21.78                  |             |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 20.78                 | 20.65                 | 20.67                  |             |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 20.67                 | 20.86                 | 20.73                  |             |          |  |  |  |  |  |  |
| 10              | 16QAM      | 36      | 20        | 20.81                 | 20.81                 | 20.76                  | 22          | 2        |  |  |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 20.87                 | 20.80                 | 20.90                  |             |          |  |  |  |  |  |  |
| 10              | 64QAM      | 1       | 0         | 20.79                 | 20.68                 | 20.71                  |             |          |  |  |  |  |  |  |
| 10              | 64QAM      | 1       | 25        | 20.88                 | 20.61                 | 20.58                  |             |          |  |  |  |  |  |  |
| 10              | 64QAM      | 1       | 48        | 20.74                 | 20.58                 | 20.71                  | 22          | 2        |  |  |  |  |  |  |
| 10              | 64QAM      | 25      | 0         | 19.77                 | 19.82                 | 19.87                  |             |          |  |  |  |  |  |  |
| 10              | 64QAM      | 25      | 12        | 19.84                 | 19.83                 | 19.77                  |             |          |  |  |  |  |  |  |
| 10              | 64QAM      | 25      | 25        | 19.75                 | 19.69                 | 19.87                  |             |          |  |  |  |  |  |  |
| 10              | 64QAM      | 50      | 0         | 19.85                 | 19.92                 | 19.82                  | 19          | 5        |  |  |  |  |  |  |
| 10              | 256QAM     | 1       | 0         | 17.53                 | 17.67                 | 17.75                  |             |          |  |  |  |  |  |  |
| 10              | 256QAM     | 1       | 25        | 17.68                 | 17.78                 | 17.73                  |             |          |  |  |  |  |  |  |
| 10              | 256QAM     | 1       | 48        | 17.77                 | 17.90                 | 17.85                  |             |          |  |  |  |  |  |  |
| 10              | 256QAM     | 25      | 0         | 17.12                 | 17.50                 | 17.68                  | 19          | 5        |  |  |  |  |  |  |
| 10              | 256QAM     | 25      | 12        | 17.78                 | 17.60                 | 17.72                  |             |          |  |  |  |  |  |  |
| 10              | 256QAM     | 25      | 25        | 17.63                 | 17.87                 | 17.86                  |             |          |  |  |  |  |  |  |
| 10              | 256QAM     | 50      | 0         | 17.71                 | 17.58                 | 17.63                  |             |          |  |  |  |  |  |  |
| Channel         |            |         |           |                       |                       |                        |             |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                       |                       |                        |             |          |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 22.74                 | 22.77                 | 22.81                  | 24          | 0        |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 22.72                 | 22.53                 | 22.69                  |             |          |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 24        | 22.62                 | 22.72                 | 22.73                  |             |          |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 21.84                 | 21.70                 | 21.74                  |             |          |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 7         | 21.81                 | 21.70                 | 21.69                  | 23          | 1        |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 21.78                 | 21.75                 | 21.71                  |             |          |  |  |  |  |  |  |
| 5               | QPSK       | 25      | 0         | 21.68                 | 21.75                 | 21.69                  |             |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 21.70                 | 21.69                 | 21.81                  |             |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 21.58                 | 21.77                 | 21.68                  | 23          | 1        |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 21.72                 | 21.70                 | 21.81                  |             |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 20.69                 | 20.79                 | 20.79                  |             |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 20.77                 | 20.88                 | 20.70                  |             |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 20.72                 | 20.98                 | 20.83                  | 22          | 2        |  |  |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 20.98                 | 20.81                 | 20.93                  |             |          |  |  |  |  |  |  |
| 5               | 64QAM      | 1       | 0         | 20.69                 | 20.68                 | 20.81                  |             |          |  |  |  |  |  |  |
| 5               | 64QAM      | 1       | 12        | 20.93                 | 20.59                 | 20.79                  |             |          |  |  |  |  |  |  |
| 5               | 64QAM      | 1       | 24        | 20.83                 | 20.57                 | 20.76                  | 21          | 3        |  |  |  |  |  |  |
| 5               | 64QAM      | 12      | 0         | 19.78                 | 19.84                 | 19.76                  |             |          |  |  |  |  |  |  |
| 5               | 64QAM      | 12      | 7         | 19.79                 | 19.84                 | 19.89                  |             |          |  |  |  |  |  |  |
| 5               | 64QAM      | 12      | 13        | 19.73                 | 19.63                 | 19.90                  |             |          |  |  |  |  |  |  |
| 5               | 64QAM      | 25      | 0         | 19.82                 | 19.95                 | 19.88                  | 19          | 5        |  |  |  |  |  |  |
| 5               | 256QAM     | 1       | 0         | 17.63                 | 17.57                 | 17.83                  |             |          |  |  |  |  |  |  |
| 5               | 256QAM     | 1       | 12        | 17.64                 | 17.83                 | 17.72                  |             |          |  |  |  |  |  |  |
| 5               | 256QAM     | 1       | 24        | 17.80                 | 17.76                 | 17.81                  |             |          |  |  |  |  |  |  |
| 5               | 256QAM     | 12      | 0         | 17.75                 | 17.56                 | 17.74                  | 19          | 5        |  |  |  |  |  |  |
| 5               | 256QAM     | 12      | 7         | 17.82                 | 17.7                  | 17.81                  |             |          |  |  |  |  |  |  |
| 5               | 256QAM     | 12      | 13        | 17.81                 | 17.88                 | 17.86                  |             |          |  |  |  |  |  |  |
| 5               | 256QAM     | 25      | 0         | 17.79                 | 17.73                 | 17.80                  |             |          |  |  |  |  |  |  |
| Channel         |            |         |           |                       |                       |                        |             |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                       |                       |                        |             |          |  |  |  |  |  |  |
| 3               | QPSK       | 1       | 0         | 22.73                 | 22.86                 | 22.88                  | 24          | 0        |  |  |  |  |  |  |
| 3               | QPSK       | 1       | 12        | 22.71                 | 22.77                 | 22.68                  |             |          |  |  |  |  |  |  |
| 3               | QPSK       | 1       | 24        | 22.62                 | 22.72                 | 22.73                  |             |          |  |  |  |  |  |  |
| 3               | QPSK       | 12      | 0         | 21.84                 | 21.70                 | 21.74                  |             |          |  |  |  |  |  |  |
| 3               | QPSK       | 12      | 7         | 21.81                 | 21.70                 | 21.69                  | 23          | 1        |  |  |  |  |  |  |
| 3               | QPSK       | 12      | 13        | 21.78                 | 21.75                 | 21.71                  |             |          |  |  |  |  |  |  |
| 3               | QPSK       | 15      | 0         | 21.66                 | 21.70                 | 21.68                  |             |          |  |  |  |  |  |  |
| 3               | QPSK       | 15      | 7         | 21.73                 | 21.67                 | 21.69                  |             |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 0         | 21.73                 | 21.67                 | 21.68                  | 23          | 1        |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 12        | 21.57                 | 21.71                 | 21.68                  |             |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 14        | 21.69                 | 21.71                 | 21.94                  |             |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 24        | 21.67                 | 21.69                 | 21.76                  |             |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 32        | 21.74                 | 21.68                 | 21.83                  | 22          | 2        |  |  |  |  |  |  |
| 3               | 16QAM      | 15      | 0         | 20.77                 | 20.86                 | 20.78                  |             |          |  |  |  |  |  |  |
| 3               | 16QAM      | 15      | 7         | 20.86                 | 20.97                 | 20.88                  |             |          |  |  |  |  |  |  |
| 3               | 16QAM      | 15      | 14        | 20.84                 | 20.94                 | 20.93                  |             |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 0         | 20.71                 | 20.71                 | 20.60                  | 22          | 2        |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 12        | 20.89                 | 20.78                 | 20.83                  |             |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 14        | 20.61                 | 20.68                 | 20.73                  |             |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 24        | 20.68                 | 20.67                 | 20.77                  |             |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 32        | 20.85                 | 20.67                 | 20.77                  | 21          | 3        |  |  |  |  |  |  |
| 3               | 16QAM      | 15      | 0         | 19.85                 | 19.89                 | 19.76                  |             |          |  |  |  |  |  |  |
| 3               | 16QAM      | 15      | 7         | 19.92                 | 19.92                 | 19.71                  |             |          |  |  |  |  |  |  |
| 3               | 16QAM      | 15      | 14        | 19.77                 | 19.82                 | 19.91                  |             |          |  |  |  |  |  |  |
| 3               | 256QAM     | 1       | 0         | 17.67                 | 17.68                 | 17.83                  | 19          | 5        |  |  |  |  |  |  |
| 3               | 256QAM     | 1       | 12        | 17.67                 | 17.83                 | 17.72                  |             |          |  |  |  |  |  |  |
| 3               | 256QAM     | 1       | 14        | 17.84                 | 17.84                 | 17.72                  |             |          |  |  |  |  |  |  |
| 3               | 256QAM     | 1       | 24        | 17.81                 | 17.81                 | 17.74                  |             |          |  |  |  |  |  |  |
| 3               | 256QAM     | 1       | 32        | 17.82                 | 17.82                 | 17.81                  |             |          |  |  |  |  |  |  |
| 3               | 256QAM     | 15      | 0         | 17.83                 | 17.87                 | 17.83                  |             |          |  |  |  |  |  |  |
| 3               | 256QAM     | 15      | 7         | 17.83                 | 17.87                 | 17.83                  |             |          |  |  |  |  |  |  |
| 3               | 256QAM     | 15      | 14        | 17.83                 | 17.74                 | 17.83                  | Turnup (dB) | MPE (dB) |  |  |  |  |  |  |
| Channel         |            |         |           |                       |                       |                        |             |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                       |                       |                        |             |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.70                 | 22.86                 | 22.88                  | 24          | 0        |  |  |  |  |  |  |
| 1.4             | QPSK       | 1       | 12        | 22.71                 | 22.77                 | 22.68                  |             |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 1       | 24        | 22.62                 | 22.72                 | 22.73                  |             |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 12      | 0         | 21.84                 | 21.70                 | 21.74                  |             |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 12      | 7         | 21.81                 | 21.70                 | 21.69                  | 23          | 1        |  |  |  |  |  |  |
| 1.4             | QPSK       | 12      | 13        | 21.78                 | 21.75                 | 21.71                  |             |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 15      | 0         | 21.66                 | 21.70                 | 21.68                  |             |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 15      | 7         | 21.73                 | 21.67                 | 21.69                  |             |          |  |  |  |  |  |  |
| 1.4             | 16QAM      | 1       | 0         | 21.73                 | 21.67                 | 21.68                  | 23          | 1        |  |  |  |  |  |  |
| 1.4             | 16QAM      | 1       | 12        | 21.57                 | 21.71                 | 21.68                  |             |          |  |  |  |  |  |  |
| 1.4             | 16QAM      | 1       | 14        | 21.69                 | 21.71                 | 21.94                  |             |          |  |  |  |  |  |  |
| 1.4             | 16QAM      | 1       | 24        | 21.67                 | 21.69                 | 21.76                  |             |          |  |  |  |  |  |  |
| 1.4             | 16QAM      | 1       | 32        | 21.74                 | 21.68                 | 21.83                  | 22          | 2        |  |  |  |  |  |  |
| 1.4             | 16QAM      | 15      | 0         | 20.77                 | 20.86                 | 20.78                  |             |          |  |  |  |  |  |  |
| 1.4             | 16QAM      | 15      | 7         | 20.86                 | 20.97                 | 20.88                  |             |          |  |  |  |  |  |  |
| 1.4             | 16QAM      | 15      | 14        | 20.84                 | 20.94                 | 20.93                  |             |          |  |  |  |  |  |  |
| 1.4             | 16QAM      | 1       | 0         | 20.71                 | 20.71                 | 20.60                  | 22          | 2        |  |  |  |  |  |  |
| 1.4             | 16QAM      | 1       | 12        | 20.89                 | 20.78                 | 20.83                  |             |          |  |  |  |  |  |  |
| 1.4             | 16QAM      | 1       | 14        | 20.61                 | 20.68                 | 20.73                  |             |          |  |  |  |  |  |  |
| 1.4             | 16QAM      | 1       | 24        | 20.68                 | 20.67                 | 20.77                  |             |          |  |  |  |  |  |  |
| 1.4             | 16QAM      | 1       | 32        | 20.85                 | 20.67                 | 20.77                  | 21          | 3        |  |  |  |  |  |  |
| 1.4             | 16QAM      | 15      | 0         | 19.85                 | 19.89                 | 19.76                  |             |          |  |  |  |  |  |  |
| 1.4             | 16QAM      | 15      | 7         | 19.92                 | 19.92                 | 19.71                  |             |          |  |  |  |  |  |  |
| 1.4             | 16QAM      | 15      | 14        | 19.77                 | 19.82                 | 19.91                  |             |          |  |  |  |  |  |  |
| 1.4             | 256QAM     | 1       | 0         | 17.67                 | 17.68                 | 17.83                  | 19          | 5        |  |  |  |  |  |  |
| 1.4             | 256QAM     | 1       | 12        | 17.67                 | 17.83                 | 17.72                  |             |          |  |  |  |  |  |  |
|                 |            |         |           |                       |                       |                        |             |          |  |  |  |  |  |  |

| Band 38 Ant 1   |            |         |           |                       |                          |                        |                                                |                         |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|------------------------------------------------|-------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm)                            | MPR (dB)                |                     |          |
| Channel         |            |         |           | 37850                 | 38000                    | 38150                  | 24                                             | 0                       |                     |          |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   |                                                |                         |                     |          |
| 20              | QPSK       | 1       | 0         | 22.96                 | 23.16                    | 23.13                  | 24                                             | 0                       |                     |          |
| 20              | QPSK       | 1       | 49        | 22.96                 | 22.94                    | 22.89                  |                                                |                         |                     |          |
| 20              | QPSK       | 1       | 99        | 22.85                 | 22.86                    | 22.86                  |                                                |                         |                     |          |
| 20              | QPSK       | 50      | 0         | 21.96                 | 22.15                    | 21.98                  |                                                |                         |                     |          |
| 20              | QPSK       | 50      | 24        | 21.95                 | 21.97                    | 21.88                  | 23                                             | 1                       |                     |          |
| 20              | QPSK       | 50      | 50        | 21.90                 | 21.77                    | 22.13                  |                                                |                         |                     |          |
| 20              | QPSK       | 100     | 0         | 21.97                 | 22.10                    | 22.00                  |                                                |                         |                     |          |
| 20              | 16QAM      | 1       | 0         | 21.95                 | 21.80                    | 22.07                  |                                                |                         |                     |          |
| 20              | 16QAM      | 1       | 49        | 21.81                 | 21.99                    | 22.04                  | 23                                             | 1                       |                     |          |
| 20              | 16QAM      | 1       | 99        | 22.02                 | 22.00                    | 21.79                  |                                                |                         |                     |          |
| 20              | 16QAM      | 50      | 0         | 20.80                 | 20.86                    | 20.91                  |                                                |                         |                     |          |
| 20              | 16QAM      | 50      | 24        | 20.92                 | 20.57                    | 20.82                  |                                                |                         |                     |          |
| 20              | 16QAM      | 50      | 50        | 20.90                 | 20.69                    | 20.81                  | 22                                             | 2                       |                     |          |
| 20              | 16QAM      | 100     | 0         | 20.64                 | 20.90                    | 20.61                  |                                                |                         |                     |          |
| 20              | 64QAM      | 1       | 0         | 20.66                 | 20.77                    | 20.71                  |                                                |                         |                     |          |
| 20              | 64QAM      | 1       | 49        | 20.61                 | 20.78                    | 20.78                  |                                                |                         |                     |          |
| 20              | 64QAM      | 1       | 99        | 20.72                 | 20.74                    | 20.93                  | 22                                             | 2                       |                     |          |
| 20              | 64QAM      | 50      | 0         | 19.82                 | 19.85                    | 19.91                  |                                                |                         |                     |          |
| 20              | 64QAM      | 50      | 24        | 19.95                 | 19.81                    | 19.76                  |                                                |                         |                     |          |
| 20              | 64QAM      | 50      | 50        | 19.82                 | 19.68                    | 19.95                  |                                                |                         |                     |          |
| 20              | 64QAM      | 100     | 0         | 19.75                 | 19.81                    | 19.72                  | 21                                             | 3                       |                     |          |
| 20              | 256QAM     | 1       | 0         | 17.89                 | 17.87                    | 17.66                  |                                                |                         |                     |          |
| 20              | 256QAM     | 1       | 49        | 17.90                 | 17.91                    | 17.86                  |                                                |                         |                     |          |
| 20              | 256QAM     | 1       | 99        | 17.71                 | 17.76                    | 17.79                  |                                                |                         |                     |          |
| 20              | 256QAM     | 50      | 0         | 17.83                 | 17.96                    | 17.74                  | 19                                             | 5                       |                     |          |
| 20              | 256QAM     | 50      | 24        | 17.99                 | 17.96                    | 17.90                  |                                                |                         |                     |          |
| 20              | 256QAM     | 50      | 50        | 17.76                 | 17.83                    | 17.69                  |                                                |                         |                     |          |
| 20              | 256QAM     | 100     | 0         | 17.83                 | 17.80                    | 18.00                  |                                                |                         |                     |          |
| Channel         |            |         |           | 37825                 | 38000                    | 38175                  | Tune-up limit (dBm)                            | MPR (dB)                |                     |          |
| Frequency (MHz) |            |         |           | 2577.5                | 2595                     | 2612.5                 | 24 <th rowspan="2">0<th colspan="2"></th></th> | 0 <th colspan="2"></th> |                     |          |
| 15              | QPSK       | 1       | 0         | 22.70                 | 22.60                    | 22.52                  |                                                |                         |                     |          |
| 15              | QPSK       | 1       | 37        | 22.43                 | 22.60                    | 22.21                  | 24                                             | 0                       |                     |          |
| 15              | QPSK       | 1       | 74        | 22.48                 | 22.27                    | 22.55                  |                                                |                         |                     |          |
| 15              | QPSK       | 36      | 0         | 21.37                 | 21.53                    | 21.52                  |                                                |                         |                     |          |
| 15              | QPSK       | 36      | 20        | 21.49                 | 21.44                    | 21.46                  |                                                |                         |                     |          |
| 15              | QPSK       | 36      | 39        | 21.25                 | 21.40                    | 21.54                  | 23                                             | 1                       |                     |          |
| 15              | QPSK       | 75      | 0         | 21.36                 | 21.46                    | 21.38                  |                                                |                         |                     |          |
| 15              | 16QAM      | 1       | 0         | 21.46                 | 21.30                    | 21.47                  |                                                |                         |                     |          |
| 15              | 16QAM      | 1       | 37        | 21.19                 | 21.54                    | 21.39                  |                                                |                         |                     |          |
| 15              | 16QAM      | 1       | 74        | 21.47                 | 21.32                    | 21.29                  | 23                                             | 1                       |                     |          |
| 15              | 16QAM      | 36      | 0         | 20.29                 | 20.33                    | 20.31                  |                                                |                         |                     |          |
| 15              | 16QAM      | 36      | 20        | 20.34                 | 20.61                    | 20.32                  |                                                |                         |                     |          |
| 15              | 16QAM      | 36      | 39        | 20.33                 | 20.20                    | 20.37                  |                                                |                         |                     |          |
| 15              | 16QAM      | 75      | 0         | 20.25                 | 20.30                    | 20.15                  | 22                                             | 2                       |                     |          |
| 15              | 64QAM      | 1       | 0         | 20.10                 | 20.30                    | 20.17                  |                                                |                         |                     |          |
| 15              | 64QAM      | 1       | 37        | 20.05                 | 20.08                    | 20.37                  |                                                |                         |                     |          |
| 15              | 64QAM      | 1       | 74        | 20.40                 | 20.36                    | 20.44                  |                                                |                         |                     |          |
| 15              | 64QAM      | 36      | 0         | 19.41                 | 19.44                    | 19.34                  | 22                                             | 2                       |                     |          |
| 15              | 64QAM      | 36      | 20        | 19.23                 | 19.30                    | 19.30                  |                                                |                         |                     |          |
| 15              | 64QAM      | 36      | 39        | 19.32                 | 19.26                    | 19.42                  |                                                |                         |                     |          |
| 15              | 64QAM      | 75      | 0         | 19.24                 | 19.34                    | 19.15                  |                                                |                         |                     |          |
| 15              | 256QAM     | 1       | 0         | 17.46                 | 17.24                    | 17.27                  | 21                                             | 3                       |                     |          |
| 15              | 256QAM     | 1       | 37        | 17.25                 | 17.38                    | 17.46                  |                                                |                         |                     |          |
| 15              | 256QAM     | 1       | 74        | 17.19                 | 17.41                    | 17.24                  |                                                |                         |                     |          |
| 15              | 256QAM     | 36      | 0         | 17.23                 | 17.37                    | 17.23                  |                                                |                         |                     |          |
| 15              | 256QAM     | 36      | 20        | 17.46                 | 17.42                    | 17.50                  | 19                                             | 5                       |                     |          |
| 15              | 256QAM     | 36      | 39        | 17.29                 | 17.41                    | 17.33                  |                                                |                         |                     |          |
| 15              | 256QAM     | 75      | 0         | 17.31                 | 17.38                    | 17.44                  |                                                |                         |                     |          |
| Channel         |            |         |           | 37800                 | 38000                    | 38200                  |                                                |                         | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2575                  | 2595                     | 2615                   | 24 <th rowspan="2">0<th colspan="2"></th></th> | 0 <th colspan="2"></th> |                     |          |
| 10              | QPSK       | 1       | 0         | 22.50                 | 22.56                    | 22.52                  |                                                |                         |                     |          |
| 10              | QPSK       | 1       | 25        | 22.44                 | 22.48                    | 22.39                  | 24                                             | 0                       |                     |          |
| 10              | QPSK       | 1       | 49        | 22.35                 | 22.44                    | 22.36                  |                                                |                         |                     |          |
| 10              | QPSK       | 25      | 0         | 21.38                 | 21.45                    | 21.56                  |                                                |                         |                     |          |
| 10              | QPSK       | 25      | 12        | 21.47                 | 21.43                    | 21.31                  |                                                |                         |                     |          |
| 10              | QPSK       | 25      | 25        | 21.29                 | 21.34                    | 21.64                  | 23                                             | 1                       |                     |          |
| 10              | QPSK       | 50      | 0         | 21.35                 | 21.47                    | 21.37                  |                                                |                         |                     |          |
| 10              | 16QAM      | 1       | 0         | 21.45                 | 21.46                    | 21.56                  |                                                |                         |                     |          |
| 10              | 16QAM      | 1       | 25        | 21.17                 | 21.60                    | 21.43                  |                                                |                         |                     |          |
| 10              | 16QAM      | 1       | 49        | 21.41                 | 21.50                    | 21.35                  | 23                                             | 1                       |                     |          |
| 10              | 16QAM      | 25      | 0         | 20.31                 | 20.37                    | 20.32                  |                                                |                         |                     |          |
| 10              | 16QAM      | 25      | 12        | 20.32                 | 20.00                    | 20.39                  |                                                |                         |                     |          |
| 10              | 16QAM      | 25      | 25        | 20.38                 | 20.24                    | 20.43                  |                                                |                         |                     |          |
| 10              | 16QAM      | 50      | 0         | 20.22                 | 20.30                    | 20.13                  | 22                                             | 2                       |                     |          |
| 10              | 64QAM      | 1       | 0         | 20.27                 | 20.37                    | 20.16                  |                                                |                         |                     |          |
| 10              | 64QAM      | 1       | 25        | 20.13                 | 20.08                    | 20.21                  |                                                |                         |                     |          |
| 10              | 64QAM      | 1       | 49        | 20.24                 | 20.27                    | 20.36                  |                                                |                         |                     |          |
| 10              | 64QAM      | 25      | 0         | 19.21                 | 19.50                    | 19.20                  | 22                                             | 2                       |                     |          |
| 10              | 64QAM      | 25      | 12        | 19.44                 | 19.29                    | 19.39                  |                                                |                         |                     |          |
| 10              | 64QAM      | 25      | 25        | 19.28                 | 19.29                    | 19.33                  |                                                |                         |                     |          |
| 10              | 64QAM      | 50      | 0         | 19.23                 | 19.25                    | 19.09                  |                                                |                         |                     |          |
| 10              | 256QAM     | 1       | 0         | 17.35                 | 17.38                    | 17.16                  | 21                                             | 3                       |                     |          |
| 10              | 256QAM     | 1       | 25        | 17.27                 | 17.37                    | 17.48                  |                                                |                         |                     |          |
| 10              | 256QAM     | 1       | 49        | 17.37                 | 17.40                    | 17.22                  |                                                |                         |                     |          |
| 10              | 256QAM     | 25      | 0         | 17.31                 | 17.54                    | 17.34                  |                                                |                         |                     |          |
| 10              | 256QAM     | 25      | 12        | 17.38                 | 17.54                    | 17.45                  | 19                                             | 5                       |                     |          |
| 10              | 256QAM     | 25      | 25        | 17.42                 | 17.39                    | 17.13                  |                                                |                         |                     |          |
| 10              | 256QAM     | 50      | 0         | 17.34                 | 17.21                    | 17.55                  |                                                |                         |                     |          |
| Channel         |            |         |           | 37775                 | 38000                    | 38225                  |                                                |                         | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2572.5                | 2595                     | 2617.5                 | 24 <th rowspan="2">0<th colspan="2"></th></th> | 0 <th colspan="2"></th> |                     |          |
| 5               | QPSK       | 1       | 0         | 22.68                 | 22.70                    | 22.52                  |                                                |                         |                     |          |
| 5               | QPSK       | 1       | 12        | 22.43                 | 22.67                    | 22.44                  | 24                                             | 0                       |                     |          |
| 5               | QPSK       | 1       | 24        | 22.29                 | 22.41                    | 22.42                  |                                                |                         |                     |          |
| 5               | QPSK       | 12      | 0         | 21.32                 | 21.60                    | 21.45                  |                                                |                         |                     |          |
| 5               | QPSK       | 12      | 7         | 21.33                 | 21.43                    | 21.48                  |                                                |                         |                     |          |
| 5               | QPSK       | 12      | 13        | 21.22                 | 21.48                    | 21.46                  | 23                                             | 1                       |                     |          |
| 5               | QPSK       | 25      | 0         | 21.39                 | 21.30                    | 21.37                  |                                                |                         |                     |          |
| 5               | 16QAM      | 1       | 0         | 21.37                 | 21.32                    | 21.43                  |                                                |                         |                     |          |
| 5               | 16QAM      | 1       | 12        | 21.18                 | 21.42                    | 21.52                  |                                                |                         |                     |          |
| 5               | 16QAM      | 1       | 24        | 21.45                 | 21.42                    | 21.44                  | 23                                             | 1                       |                     |          |
| 5               | 16QAM      | 12      | 0         | 20.20                 | 20.29                    | 20.49                  |                                                |                         |                     |          |
| 5               | 16QAM      | 12      | 7         | 20.46                 | 20.66                    | 20.27                  |                                                |                         |                     |          |
| 5               | 16QAM      | 12      | 13        | 20.37                 | 20.34                    | 20.40                  |                                                |                         |                     |          |
| 5               | 16QAM      | 25      | 0         | 20.31                 | 20.34                    | 20.27                  | 22                                             | 2                       |                     |          |
| 5               | 64QAM      | 1       | 0         | 20.24                 | 20.26                    | 20.38                  |                                                |                         |                     |          |
| 5               | 64QAM      | 1       | 12        | 20.05                 | 20.14                    | 20.28                  |                                                |                         |                     |          |
| 5               | 64QAM      | 1       | 24        | 20.20                 | 20.36                    | 20.41                  |                                                |                         |                     |          |
| 5               | 64QAM      | 12      | 0         | 19.31                 | 19.30                    | 19.33                  | 22                                             | 2                       |                     |          |
| 5               | 64QAM      | 12      | 7         | 19.45                 | 19.43                    | 19.39                  |                                                |                         |                     |          |
| 5               | 64QAM      | 12      | 13        | 19.13                 | 19.30                    | 19.41                  |                                                |                         |                     |          |
| 5               | 64QAM      | 25      | 0         | 19.32                 | 19.41                    | 19.20                  |                                                |                         |                     |          |
| 5               | 256QAM     | 1       | 0         | 17.29                 | 17.20                    | 17.17                  | 21                                             | 3                       |                     |          |
| 5               | 256QAM     | 1       | 12        | 17.23                 | 17.42                    | 17.45                  |                                                |                         |                     |          |
| 5               | 256QAM     | 1       | 24        | 17.24                 | 17.35                    | 17.31                  |                                                |                         |                     |          |
| 5               | 256QAM     | 12      | 0         | 17.43                 | 17.41                    | 17.23                  |                                                |                         |                     |          |
| 5               | 256QAM     | 12      | 7         | 17.41                 | 17.51                    | 17.29                  | 19                                             | 5                       |                     |          |
| 5               | 256QAM     | 12      | 13        | 17.35                 | 17.35                    | 17.14                  |                                                |                         |                     |          |
| 5               | 256QAM     | 25      | 0         | 17.27                 | 17.24                    | 17.43                  |                                                |                         |                     |          |

| Band 2 Ant 4    |            |         |           |                        |                         |                         |                     |             |  |  |
|-----------------|------------|---------|-----------|------------------------|-------------------------|-------------------------|---------------------|-------------|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power<br>Low Ch./Freq. | Power<br>Main Ch./Freq. | Power<br>High Ch./Freq. | Time-up<br>Time (s) | MPR<br>(dB) |  |  |
| Channel         |            |         |           |                        |                         |                         |                     |             |  |  |
| Frequency (MHz) | Channel    | 1880.5  | 1880.5    | 1880.5                 | 1880.5                  | 1880.5                  | Time-up<br>Time (s) | MPR<br>(dB) |  |  |
| 20              | QPSK       | 1       | 0         | 22.15                  | 22.15                   | 22.08                   | 23                  | 0           |  |  |
| 20              | QPSK       | 1       | 49        | 22.13                  | 22.12                   | 21.89                   |                     |             |  |  |
| 20              | QPSK       | 1       | 99        | 22.16                  | 22.17                   | 22.01                   |                     |             |  |  |
| 20              | QPSK       | 50      | 0         | 20.95                  | 21.13                   | 20.91                   | 22                  | 1           |  |  |
| 20              | QPSK       | 50      | 24        | 20.92                  | 20.98                   | 20.93                   |                     |             |  |  |
| 20              | QPSK       | 50      | 50        | 20.90                  | 20.88                   | 20.94                   |                     |             |  |  |
| 20              | QPSK       | 100     | 0         | 21.05                  | 21.09                   | 21.08                   | 22                  | 1           |  |  |
| 20              | 16QAM      | 1       | 0         | 20.96                  | 20.92                   | 21.09                   |                     |             |  |  |
| 20              | 16QAM      | 1       | 99        | 20.92                  | 21.12                   | 20.96                   |                     |             |  |  |
| 20              | 16QAM      | 1       | 99        | 21.13                  | 21.06                   | 20.91                   | 21                  | 2           |  |  |
| 20              | 16QAM      | 50      | 0         | 19.99                  | 19.99                   | 19.99                   |                     |             |  |  |
| 20              | 16QAM      | 50      | 24        | 19.95                  | 19.99                   | 19.94                   |                     |             |  |  |
| 20              | 16QAM      | 50      | 50        | 20.07                  | 20.13                   | 19.94                   | 21                  | 2           |  |  |
| 20              | 16QAM      | 100     | 0         | 19.95                  | 20.05                   | 19.90                   |                     |             |  |  |
| 20              | 16QAM      | 1       | 49        | 19.98                  | 20.02                   | 19.91                   |                     |             |  |  |
| 20              | 16QAM      | 1       | 99        | 19.91                  | 19.97                   | 19.95                   | 20                  | 3           |  |  |
| 20              | 16QAM      | 50      | 24        | 19.96                  | 19.90                   | 19.13                   |                     |             |  |  |
| 20              | 16QAM      | 50      | 50        | 19.95                  | 19.95                   | 19.98                   |                     |             |  |  |
| 20              | 256QAM     | 1       | 0         | 17.09                  | 17.07                   | 17.13                   | 18                  | 5           |  |  |
| 20              | 256QAM     | 1       | 99        | 17.07                  | 17.05                   | 17.07                   |                     |             |  |  |
| 20              | 256QAM     | 50      | 24        | 17.07                  | 17.07                   | 17.12                   |                     |             |  |  |
| 20              | 256QAM     | 50      | 50        | 17.07                  | 17.07                   | 17.04                   | 18                  | 5           |  |  |
| 20              | 256QAM     | 100     | 0         | 16.98                  | 17.13                   | 16.97                   |                     |             |  |  |
| 20              | 256QAM     | 1       | 0         | 16.93                  | 16.93                   | 16.93                   |                     |             |  |  |
| Channel         |            |         |           |                        |                         |                         |                     |             |  |  |
| Frequency (MHz) | Channel    | 1880.5  | 1880.5    | 1880.5                 | 1880.5                  | 1880.5                  | Time-up<br>Time (s) | MPR<br>(dB) |  |  |
| 15              | QPSK       | 1       | 0         | 22.00                  | 21.88                   | 22.07                   | 23                  | 0           |  |  |
| 15              | QPSK       | 1       | 8         | 22.14                  | 22.13                   | 21.84                   |                     |             |  |  |
| 15              | QPSK       | 1       | 74        | 22.09                  | 22.16                   | 22.01                   |                     |             |  |  |
| 15              | QPSK       | 50      | 0         | 20.95                  | 21.13                   | 20.71                   | 22                  | 1           |  |  |
| 15              | QPSK       | 50      | 24        | 20.97                  | 20.94                   | 20.94                   |                     |             |  |  |
| 15              | QPSK       | 50      | 50        | 20.72                  | 21.09                   | 20.80                   |                     |             |  |  |
| 15              | QPSK       | 75      | 0         | 20.97                  | 20.92                   | 21.07                   | 22                  | 1           |  |  |
| 15              | QPSK       | 75      | 0         | 20.97                  | 20.84                   | 21.04                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 37        | 20.94                  | 20.91                   | 20.96                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 37        | 19.99                  | 19.99                   | 19.99                   | 21                  | 2           |  |  |
| 15              | 16QAM      | 50      | 24        | 19.94                  | 19.96                   | 19.93                   |                     |             |  |  |
| 15              | 16QAM      | 50      | 50        | 19.95                  | 19.95                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 75      | 0         | 19.95                  | 20.05                   | 19.98                   | 21                  | 2           |  |  |
| 15              | 16QAM      | 1       | 0         | 20.00                  | 19.82                   | 19.90                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 19.98                  | 19.87                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 74        | 19.94                  | 19.75                   | 20.10                   | 20                  | 3           |  |  |
| 15              | 16QAM      | 36      | 0         | 19.89                  | 19.83                   | 19.87                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 0         | 19.89                  | 19.83                   | 19.93                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 24        | 19.90                  | 19.87                   | 19.13                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 36      | 50        | 19.90                  | 19.87                   | 19.13                   |                     |             |  |  |
| 15              | 16QAM      | 75      | 0         | 19.91                  | 19.90                   | 19.83                   |                     |             |  |  |
| 15              | 16QAM      | 75      | 0         | 19.95                  | 20.05                   | 19.98                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 1       | 0         | 20.00                  | 19.82                   | 19.90                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 19.98                  | 19.87                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 74        | 19.94                  | 19.75                   | 20.10                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 36      | 0         | 19.89                  | 19.83                   | 19.87                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 24        | 19.90                  | 19.87                   | 19.13                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 50        | 19.91                  | 19.90                   | 19.83                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 75      | 0         | 19.95                  | 20.05                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 20.00                  | 19.82                   | 19.90                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 19.98                  | 19.87                   | 19.98                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 1       | 74        | 19.94                  | 19.75                   | 20.10                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 0         | 19.89                  | 19.83                   | 19.87                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 24        | 19.90                  | 19.87                   | 19.13                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 36      | 50        | 19.91                  | 19.90                   | 19.83                   |                     |             |  |  |
| 15              | 16QAM      | 75      | 0         | 19.95                  | 20.05                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 20.00                  | 19.82                   | 19.90                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 1       | 0         | 19.98                  | 19.87                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 74        | 19.94                  | 19.75                   | 20.10                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 0         | 19.89                  | 19.83                   | 19.87                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 36      | 24        | 19.90                  | 19.87                   | 19.13                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 50        | 19.91                  | 19.90                   | 19.83                   |                     |             |  |  |
| 15              | 16QAM      | 75      | 0         | 19.95                  | 20.05                   | 19.98                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 1       | 0         | 20.00                  | 19.82                   | 19.90                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 19.98                  | 19.87                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 74        | 19.94                  | 19.75                   | 20.10                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 36      | 0         | 19.89                  | 19.83                   | 19.87                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 24        | 19.90                  | 19.87                   | 19.13                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 50        | 19.91                  | 19.90                   | 19.83                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 75      | 0         | 19.95                  | 20.05                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 20.00                  | 19.82                   | 19.90                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 19.98                  | 19.87                   | 19.98                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 1       | 74        | 19.94                  | 19.75                   | 20.10                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 0         | 19.89                  | 19.83                   | 19.87                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 24        | 19.90                  | 19.87                   | 19.13                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 36      | 50        | 19.91                  | 19.90                   | 19.83                   |                     |             |  |  |
| 15              | 16QAM      | 75      | 0         | 19.95                  | 20.05                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 20.00                  | 19.82                   | 19.90                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 1       | 0         | 19.98                  | 19.87                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 74        | 19.94                  | 19.75                   | 20.10                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 0         | 19.89                  | 19.83                   | 19.87                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 36      | 24        | 19.90                  | 19.87                   | 19.13                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 50        | 19.91                  | 19.90                   | 19.83                   |                     |             |  |  |
| 15              | 16QAM      | 75      | 0         | 19.95                  | 20.05                   | 19.98                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 1       | 0         | 20.00                  | 19.82                   | 19.90                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 19.98                  | 19.87                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 74        | 19.94                  | 19.75                   | 20.10                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 36      | 0         | 19.89                  | 19.83                   | 19.87                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 24        | 19.90                  | 19.87                   | 19.13                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 50        | 19.91                  | 19.90                   | 19.83                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 75      | 0         | 19.95                  | 20.05                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 20.00                  | 19.82                   | 19.90                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 19.98                  | 19.87                   | 19.98                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 1       | 74        | 19.94                  | 19.75                   | 20.10                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 0         | 19.89                  | 19.83                   | 19.87                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 24        | 19.90                  | 19.87                   | 19.13                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 36      | 50        | 19.91                  | 19.90                   | 19.83                   |                     |             |  |  |
| 15              | 16QAM      | 75      | 0         | 19.95                  | 20.05                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 20.00                  | 19.82                   | 19.90                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 1       | 0         | 19.98                  | 19.87                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 74        | 19.94                  | 19.75                   | 20.10                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 0         | 19.89                  | 19.83                   | 19.87                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 36      | 24        | 19.90                  | 19.87                   | 19.13                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 50        | 19.91                  | 19.90                   | 19.83                   |                     |             |  |  |
| 15              | 16QAM      | 75      | 0         | 19.95                  | 20.05                   | 19.98                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 1       | 0         | 20.00                  | 19.82                   | 19.90                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 19.98                  | 19.87                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 74        | 19.94                  | 19.75                   | 20.10                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 36      | 0         | 19.89                  | 19.83                   | 19.87                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 24        | 19.90                  | 19.87                   | 19.13                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 50        | 19.91                  | 19.90                   | 19.83                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 75      | 0         | 19.95                  | 20.05                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 20.00                  | 19.82                   | 19.90                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 19.98                  | 19.87                   | 19.98                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 1       | 74        | 19.94                  | 19.75                   | 20.10                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 0         | 19.89                  | 19.83                   | 19.87                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 24        | 19.90                  | 19.87                   | 19.13                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 36      | 50        | 19.91                  | 19.90                   | 19.83                   |                     |             |  |  |
| 15              | 16QAM      | 75      | 0         | 19.95                  | 20.05                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 20.00                  | 19.82                   | 19.90                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 1       | 0         | 19.98                  | 19.87                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 74        | 19.94                  | 19.75                   | 20.10                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 0         | 19.89                  | 19.83                   | 19.87                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 36      | 24        | 19.90                  | 19.87                   | 19.13                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 50        | 19.91                  | 19.90                   | 19.83                   |                     |             |  |  |
| 15              | 16QAM      | 75      | 0         | 19.95                  | 20.05                   | 19.98                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 1       | 0         | 20.00                  | 19.82                   | 19.90                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 19.98                  | 19.87                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 74        | 19.94                  | 19.75                   | 20.10                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 36      | 0         | 19.89                  | 19.83                   | 19.87                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 24        | 19.90                  | 19.87                   | 19.13                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 50        | 19.91                  | 19.90                   | 19.83                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 75      | 0         | 19.95                  | 20.05                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 20.00                  | 19.82                   | 19.90                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 19.98                  | 19.87                   | 19.98                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 1       | 74        | 19.94                  | 19.75                   | 20.10                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 0         | 19.89                  | 19.83                   | 19.87                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 24        | 19.90                  | 19.87                   | 19.13                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 36      | 50        | 19.91                  | 19.90                   | 19.83                   |                     |             |  |  |
| 15              | 16QAM      | 75      | 0         | 19.95                  | 20.05                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 20.00                  | 19.82                   | 19.90                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 1       | 0         | 19.98                  | 19.87                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 74        | 19.94                  | 19.75                   | 20.10                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 0         | 19.89                  | 19.83                   | 19.87                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 36      | 24        | 19.90                  | 19.87                   | 19.13                   |                     |             |  |  |
| 15              | 16QAM      | 36      | 50        | 19.91                  | 19.90                   | 19.83                   |                     |             |  |  |
| 15              | 16QAM      | 75      | 0         | 19.95                  | 20.05                   | 19.98                   | 18                  | 5           |  |  |
| 15              | 16QAM      | 1       | 0         | 20.00                  | 19.82                   | 19.90                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 0         | 19.98                  | 19.87                   | 19.98                   |                     |             |  |  |
| 15              | 16QAM      | 1       | 74        | 19.94                  | 19.75                   | 20.10                   | 18                  | 5           |  |  |
| 15              | 1          |         |           |                        |                         |                         |                     |             |  |  |

| Band 25 Ant 4   |            |         |           |                  |                     |                   |                   |          |  |  |  |  |  |  |
|-----------------|------------|---------|-----------|------------------|---------------------|-------------------|-------------------|----------|--|--|--|--|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch./RB | Power Middle Ch./RB | Power High Ch./RB | Turn-up time (dB) | MPE (dB) |  |  |  |  |  |  |
| Channel         |            |         |           |                  |                     |                   |                   |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                  |                     |                   |                   |          |  |  |  |  |  |  |
| 20              | QPSK       | 1       | 0         | 22.18            | 22.21               | 22.15             | 23                | 0        |  |  |  |  |  |  |
| 20              | QPSK       | 1       | 49        | 21.96            | 22.09               | 21.83             |                   |          |  |  |  |  |  |  |
| 20              | QPSK       | 1       | 99        | 22.02            | 22.01               | 22.02             |                   |          |  |  |  |  |  |  |
| 20              | QPSK       | 50      | 0         | 20.97            | 21.03               | 20.94             |                   |          |  |  |  |  |  |  |
| 20              | QPSK       | 50      | 24        | 20.92            | 20.98               | 20.93             |                   |          |  |  |  |  |  |  |
| 20              | QPSK       | 50      | 50        | 20.89            | 20.94               | 20.87             | 22                | 1        |  |  |  |  |  |  |
| 20              | QPSK       | 100     | 0         | 20.87            | 21.01               | 20.93             |                   |          |  |  |  |  |  |  |
| 20              | 16QAM      | 1       | 0         | 20.88            | 20.89               | 20.87             |                   |          |  |  |  |  |  |  |
| 20              | 16QAM      | 1       | 49        | 20.88            | 20.85               | 20.79             |                   |          |  |  |  |  |  |  |
| 20              | 16QAM      | 1       | 99        | 20.98            | 20.97               | 20.91             |                   |          |  |  |  |  |  |  |
| 20              | 16QAM      | 50      | 0         | 19.85            | 19.88               | 19.88             | 21                | 2        |  |  |  |  |  |  |
| 20              | 16QAM      | 50      | 24        | 19.77            | 19.85               | 19.79             |                   |          |  |  |  |  |  |  |
| 20              | 16QAM      | 50      | 50        | 19.92            | 20.10               | 19.92             |                   |          |  |  |  |  |  |  |
| 20              | 16QAM      | 100     | 0         | 19.92            | 19.93               | 19.79             |                   |          |  |  |  |  |  |  |
| 20              | 16QAM      | 1       | 0         | 19.89            | 19.89               | 19.89             |                   |          |  |  |  |  |  |  |
| 20              | 16QAM      | 1       | 49        | 19.89            | 19.87               | 19.88             | 20                | 3        |  |  |  |  |  |  |
| 20              | 16QAM      | 1       | 99        | 20.03            | 19.90               | 20.04             |                   |          |  |  |  |  |  |  |
| 20              | 16QAM      | 50      | 0         | 19.05            | 19.85               | 19.78             |                   |          |  |  |  |  |  |  |
| 20              | 16QAM      | 50      | 24        | 18.94            | 19.86               | 19.00             |                   |          |  |  |  |  |  |  |
| 20              | 16QAM      | 50      | 50        | 19.31            | 19.90               | 18.94             |                   |          |  |  |  |  |  |  |
| 20              | 16QAM      | 100     | 0         | 18.96            | 19.11               | 19.10             | 18                | 5        |  |  |  |  |  |  |
| 20              | 16QAM      | 1       | 0         | 17.09            | 16.90               | 16.82             |                   |          |  |  |  |  |  |  |
| 20              | 16QAM      | 1       | 49        | 16.97            | 17.09               | 16.82             |                   |          |  |  |  |  |  |  |
| 20              | 16QAM      | 1       | 99        | 17.06            | 16.94               | 16.96             |                   |          |  |  |  |  |  |  |
| 20              | 16QAM      | 50      | 0         | 16.85            | 16.86               | 16.87             |                   |          |  |  |  |  |  |  |
| 20              | 16QAM      | 50      | 24        | 16.94            | 16.86               | 16.78             | 18                | 5        |  |  |  |  |  |  |
| 20              | 16QAM      | 50      | 50        | 16.87            | 16.80               | 17.01             |                   |          |  |  |  |  |  |  |
| 20              | 16QAM      | 100     | 0         | 16.97            | 17.09               | 16.82             |                   |          |  |  |  |  |  |  |
| Channel         |            |         |           |                  |                     |                   |                   |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                  |                     |                   |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 0         | 21.94            | 22.04               | 21.99             | 23                | 0        |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 49        | 22.12            | 21.91               | 21.74             |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 74        | 21.96            | 22.11               | 21.90             |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 0         | 20.79            | 20.99               | 20.78             |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 20        | 20.77            | 20.85               | 20.82             |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 36        | 20.87            | 21.01               | 20.81             | 22                | 1        |  |  |  |  |  |  |
| 15              | QPSK       | 75      | 0         | 20.69            | 21.01               | 21.04             |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 20.97            | 20.89               | 20.93             |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 20.91            | 21.04               | 20.84             |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 20.78            | 20.93               | 20.83             |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 19.86            | 19.78               | 19.89             | 21                | 2        |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 19.85            | 19.72               | 19.83             |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 36        | 19.85            | 19.88               | 19.87             |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 19.74            | 19.91               | 20.02             |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 19.69            | 19.76               | 19.86             |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 49        | 19.67            | 19.78               | 19.87             | 20                | 3        |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 20.01            | 19.73               | 19.97             |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 18.81            | 18.88               | 18.95             |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 18.86            | 18.87               | 18.87             |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 36        | 18.91            | 18.93               | 19.02             |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 18.10            | 18.85               | 18.95             | 18                | 5        |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 17.09            | 17.02               | 16.81             |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 17.08            | 17.02               | 16.81             |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 16.90            | 17.06               | 17.08             |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 16.84            | 16.86               | 16.87             |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 16.98            | 17.08               | 16.80             | 18                | 5        |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 36        | 17.00            | 16.82               | 16.88             |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 16.86            | 17.05               | 16.80             |                   |          |  |  |  |  |  |  |
| Channel         |            |         |           |                  |                     |                   |                   |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                  |                     |                   |                   |          |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 0         | 22.05            | 22.05               | 22.05             | 23                | 0        |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 25        | 22.13            | 22.05               | 21.88             |                   |          |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 49        | 22.18            | 22.10               | 21.90             |                   |          |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 0         | 20.76            | 20.99               | 20.78             |                   |          |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 25        | 20.83            | 20.91               | 20.84             |                   |          |  |  |  |  |  |  |
| 10              | QPSK       | 100     | 0         | 20.82            | 20.93               | 21.00             | 22                | 1        |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 20.92            | 20.93               | 21.00             |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 20.70            | 21.08               | 20.94             |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 21.12            | 20.98               | 20.87             |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 19.87            | 19.81               | 19.86             |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 19.82            | 19.85               | 19.85             | 21                | 2        |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 19.88            | 19.88               | 19.87             |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 19.78            | 19.88               | 19.87             |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 19.81            | 19.89               | 19.78             |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 19.78            | 19.88               | 19.86             |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 19.88            | 19.84               | 19.90             | 20                | 3        |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 19.01            | 19.87               | 19.87             |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 19.85            | 19.87               | 19.86             |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 18.91            | 19.82               | 19.88             |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 50      | 25        | 18.92            | 18.86               | 19.08             |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 18.91            | 19.82               | 19.88             | 18                | 5        |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 17.11            | 17.03               | 16.81             |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 16.93            | 16.99               | 17.09             |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 16.81            | 16.82               | 16.82             |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 16.98            | 17.07               | 16.78             |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 17.00            | 16.86               | 16.88             | 18                | 5        |  |  |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 16.84            | 17.05               | 16.80             |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 50      | 25        | 16.87            | 16.80               | 17.01             |                   |          |  |  |  |  |  |  |
| Channel         |            |         |           |                  |                     |                   |                   |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                  |                     |                   |                   |          |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 21.99            | 22.02               | 21.88             | 23                | 0        |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 21.99            | 22.03               | 22.04             |                   |          |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 24        | 21.99            | 22.03               | 22.04             |                   |          |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 20.97            | 21.03               | 20.98             |                   |          |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 7         | 20.70            | 20.81               | 20.74             |                   |          |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 20.91            | 20.86               | 20.82             | 22                | 1        |  |  |  |  |  |  |
| 5               | QPSK       | 25      | 0         | 20.98            | 20.84               | 20.82             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 20.81            | 20.72               | 21.11             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 20.75            | 20.87               | 20.86             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 25        | 21.05            | 20.84               | 20.85             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 19.87            | 19.86               | 19.86             | 21                | 2        |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 19.98            | 19.77               | 19.89             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 20.02            | 20.02               | 20.87             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 19.96            | 20.00               | 19.82             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 19.99            | 19.84               | 19.88             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 49        | 20.00            | 19.84               | 19.89             | 20                | 3        |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 19.90            | 19.88               | 19.87             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 19.87            | 19.80               | 19.82             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 19.97            | 19.87               | 19.80             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 19.98            | 19.82               | 19.84             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 18.97            | 19.15               | 19.13             | 18                | 5        |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 17.11            | 16.87               | 17.01             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 17.14            | 17.03               | 16.83             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 16.93            | 16.96               | 16.87             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 16.80            | 16.86               | 17.01             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 17.05            | 16.98               | 16.80             | 18                | 5        |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 16.79            | 16.82               | 17.03             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 16.80            | 16.85               | 16.85             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 25      | 7         | 16.92            | 16.87               | 16.87             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 25      | 13        | 16.93            | 16.88               | 16.87             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 0         | 16.86            | 16.87               | 16.87             | 21                | 2        |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 7         | 16.86            | 16.87               | 20.77             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 8         | 16.93            | 16.84               | 20.91             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 9         | 16.92            | 16.85               | 20.87             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 10        | 16.93            | 16.88               | 20.83             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 11        | 16.94            | 16.91               | 16.91             | 21                | 2        |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 12        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 13        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 14        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 15        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 16        | 16.94            | 16.94               | 16.94             | 21                | 2        |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 17        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 18        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 19        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 20        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 21        | 16.94            | 16.94               | 16.94             | 21                | 2        |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 22        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 23        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 24        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 25        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 26        | 16.94            | 16.94               | 16.94             | 21                | 2        |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 27        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 28        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 29        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 30        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 31        | 16.94            | 16.94               | 16.94             | 21                | 2        |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 32        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 33        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 34        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 35        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 36        | 16.94            | 16.94               | 16.94             | 21                | 2        |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 37        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 38        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 39        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 40        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 41        | 16.94            | 16.94               | 16.94             | 21                | 2        |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 42        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 43        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 44        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 45        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 46        | 16.94            | 16.94               | 16.94             | 21                | 2        |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 47        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 48        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 49        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 50        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 51        | 16.94            | 16.94               | 16.94             | 21                | 2        |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 52        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 53        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 54        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 55        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 56        | 16.94            | 16.94               | 16.94             | 21                | 2        |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 57        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 58        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 59        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 60        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 61        | 16.94            | 16.94               | 16.94             | 21                | 2        |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 62        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 63        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 64        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 65        | 16.94            | 16.94               | 16.94             |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 36      | 66        | 16.94            | 16.9                |                   |                   |          |  |  |  |  |  |  |

| Band 38 Ant 4   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 37850                 | 38000                    | 38150                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |
| 20              | QPSK       | 1       | 0         | 22.54                 | 22.56                    | 22.52                  | 24                  | 0        |  |
| 20              | QPSK       | 1       | 49        | 22.45                 | 22.38                    | 22.44                  |                     |          |  |
| 20              | QPSK       | 1       | 99        | 22.34                 | 22.47                    | 22.38                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.47                 | 21.66                    | 21.47                  | 23                  | 1        |  |
| 20              | QPSK       | 50      | 24        | 21.31                 | 21.60                    | 21.29                  |                     |          |  |
| 20              | QPSK       | 50      | 50        | 21.28                 | 21.50                    | 21.25                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 21.45                 | 21.58                    | 21.47                  | 23                  | 1        |  |
| 20              | 16QAM      | 1       | 0         | 21.42                 | 21.57                    | 21.36                  |                     |          |  |
| 20              | 16QAM      | 1       | 49        | 21.28                 | 21.66                    | 21.46                  |                     |          |  |
| 20              | 16QAM      | 1       | 99        | 21.43                 | 21.49                    | 21.31                  | 22                  | 2        |  |
| 20              | 16QAM      | 50      | 0         | 20.51                 | 20.70                    | 20.44                  |                     |          |  |
| 20              | 16QAM      | 50      | 24        | 20.42                 | 20.57                    | 20.52                  |                     |          |  |
| 20              | 16QAM      | 50      | 50        | 20.57                 | 20.76                    | 20.41                  | 22                  | 2        |  |
| 20              | 16QAM      | 100     | 0         | 20.41                 | 20.59                    | 20.53                  |                     |          |  |
| 20              | 64QAM      | 1       | 0         | 20.43                 | 20.77                    | 20.38                  |                     |          |  |
| 20              | 64QAM      | 1       | 49        | 20.41                 | 20.68                    | 20.42                  | 22                  | 2        |  |
| 20              | 64QAM      | 1       | 99        | 20.55                 | 20.64                    | 20.58                  |                     |          |  |
| 20              | 64QAM      | 50      | 0         | 19.41                 | 19.55                    | 19.55                  |                     |          |  |
| 20              | 64QAM      | 50      | 24        | 19.59                 | 19.60                    | 19.52                  | 21                  | 3        |  |
| 20              | 64QAM      | 50      | 50        | 19.40                 | 19.73                    | 19.40                  |                     |          |  |
| 20              | 64QAM      | 100     | 0         | 19.52                 | 19.72                    | 19.44                  |                     |          |  |
| 20              | 256QAM     | 1       | 0         | 17.46                 | 17.61                    | 17.45                  | 19                  | 5        |  |
| 20              | 256QAM     | 1       | 49        | 17.58                 | 17.72                    | 17.37                  |                     |          |  |
| 20              | 256QAM     | 1       | 99        | 17.50                 | 17.66                    | 17.57                  |                     |          |  |
| 20              | 256QAM     | 50      | 0         | 17.36                 | 17.58                    | 17.49                  | 19                  | 5        |  |
| 20              | 256QAM     | 50      | 24        | 17.40                 | 17.60                    | 17.49                  |                     |          |  |
| 20              | 256QAM     | 50      | 50        | 17.55                 | 17.78                    | 17.43                  |                     |          |  |
| 20              | 256QAM     | 100     | 0         | 17.51                 | 17.72                    | 17.51                  |                     |          |  |
| Channel         |            |         |           | 37825                 | 38000                    | 38175                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |  |
| 15              | QPSK       | 1       | 0         | 22.38                 | 22.51                    | 22.50                  | 24                  | 0        |  |
| 15              | QPSK       | 1       | 37        | 22.38                 | 22.18                    | 22.26                  |                     |          |  |
| 15              | QPSK       | 1       | 74        | 22.30                 | 22.26                    | 22.22                  |                     |          |  |
| 15              | QPSK       | 36      | 0         | 21.40                 | 21.53                    | 21.34                  | 23                  | 1        |  |
| 15              | QPSK       | 36      | 20        | 21.17                 | 21.47                    | 21.19                  |                     |          |  |
| 15              | QPSK       | 36      | 39        | 21.25                 | 21.29                    | 21.08                  |                     |          |  |
| 15              | QPSK       | 75      | 0         | 21.46                 | 21.50                    | 21.46                  | 23                  | 1        |  |
| 15              | 16QAM      | 1       | 0         | 21.40                 | 21.57                    | 21.18                  |                     |          |  |
| 15              | 16QAM      | 1       | 37        | 21.29                 | 21.48                    | 21.24                  |                     |          |  |
| 15              | 16QAM      | 1       | 74        | 21.29                 | 21.44                    | 21.31                  | 22                  | 2        |  |
| 15              | 16QAM      | 36      | 0         | 20.43                 | 20.50                    | 20.39                  |                     |          |  |
| 15              | 16QAM      | 36      | 20        | 20.29                 | 20.41                    | 20.53                  |                     |          |  |
| 15              | 16QAM      | 36      | 39        | 20.46                 | 20.62                    | 20.40                  | 22                  | 2        |  |
| 15              | 16QAM      | 75      | 0         | 20.37                 | 20.56                    | 20.40                  |                     |          |  |
| 15              | 64QAM      | 1       | 0         | 20.26                 | 20.71                    | 20.39                  |                     |          |  |
| 15              | 64QAM      | 1       | 37        | 20.32                 | 20.46                    | 20.24                  | 22                  | 2        |  |
| 15              | 64QAM      | 1       | 74        | 20.45                 | 20.61                    | 20.51                  |                     |          |  |
| 15              | 64QAM      | 36      | 0         | 19.46                 | 19.37                    | 19.55                  |                     |          |  |
| 15              | 64QAM      | 36      | 20        | 19.39                 | 19.57                    | 19.34                  | 21                  | 3        |  |
| 15              | 64QAM      | 36      | 39        | 19.35                 | 19.54                    | 19.39                  |                     |          |  |
| 15              | 64QAM      | 75      | 0         | 19.44                 | 19.60                    | 19.29                  |                     |          |  |
| 15              | 256QAM     | 1       | 0         | 17.34                 | 17.50                    | 17.32                  | 19                  | 5        |  |
| 15              | 256QAM     | 1       | 37        | 17.49                 | 17.61                    | 17.36                  |                     |          |  |
| 15              | 256QAM     | 1       | 74        | 17.42                 | 17.56                    | 17.40                  |                     |          |  |
| 15              | 256QAM     | 36      | 0         | 17.44                 | 17.54                    | 17.36                  | 19                  | 5        |  |
| 15              | 256QAM     | 36      | 20        | 17.31                 | 17.45                    | 17.49                  |                     |          |  |
| 15              | 256QAM     | 36      | 39        | 17.49                 | 17.79                    | 17.43                  |                     |          |  |
| 15              | 256QAM     | 75      | 0         | 17.46                 | 17.72                    | 17.35                  |                     |          |  |
| Channel         |            |         |           | 37800                 | 38000                    | 38200                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |
| 10              | QPSK       | 1       | 0         | 22.34                 | 22.51                    | 22.48                  | 24                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 22.37                 | 22.34                    | 22.42                  |                     |          |  |
| 10              | QPSK       | 1       | 49        | 22.31                 | 22.36                    | 22.39                  |                     |          |  |
| 10              | QPSK       | 25      | 0         | 21.44                 | 21.53                    | 21.45                  | 23                  | 1        |  |
| 10              | QPSK       | 25      | 12        | 21.10                 | 21.57                    | 21.20                  |                     |          |  |
| 10              | QPSK       | 25      | 25        | 21.19                 | 21.40                    | 21.15                  |                     |          |  |
| 10              | QPSK       | 50      | 0         | 21.25                 | 21.59                    | 21.27                  | 23                  | 1        |  |
| 10              | 16QAM      | 1       | 0         | 21.43                 | 21.45                    | 21.27                  |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 21.19                 | 21.66                    | 21.44                  |                     |          |  |
| 10              | 16QAM      | 1       | 49        | 21.25                 | 21.39                    | 21.23                  | 22                  | 2        |  |
| 10              | 16QAM      | 25      | 0         | 20.31                 | 20.54                    | 20.33                  |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 20.31                 | 20.43                    | 20.49                  |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 20.53                 | 20.65                    | 20.41                  | 22                  | 2        |  |
| 10              | 16QAM      | 50      | 0         | 20.29                 | 20.43                    | 20.49                  |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 20.31                 | 20.71                    | 20.25                  |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 20.28                 | 20.50                    | 20.29                  | 22                  | 2        |  |
| 10              | 64QAM      | 1       | 49        | 20.56                 | 20.42                    | 20.40                  |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 19.35                 | 19.45                    | 19.39                  |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 19.58                 | 19.55                    | 19.47                  | 21                  | 3        |  |
| 10              | 64QAM      | 25      | 25        | 19.33                 | 19.68                    | 19.37                  |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 19.31                 | 19.71                    | 19.27                  |                     |          |  |
| 10              | 256QAM     | 1       | 0         | 17.39                 | 17.42                    | 17.26                  | 19                  | 5        |  |
| 10              | 256QAM     | 1       | 25        | 17.43                 | 17.71                    | 17.30                  |                     |          |  |
| 10              | 256QAM     | 1       | 49        | 17.46                 | 17.52                    | 17.47                  |                     |          |  |
| 10              | 256QAM     | 25      | 0         | 17.38                 | 17.60                    | 17.37                  | 19                  | 5        |  |
| 10              | 256QAM     | 25      | 12        | 17.21                 | 17.57                    | 17.38                  |                     |          |  |
| 10              | 256QAM     | 25      | 25        | 17.52                 | 17.68                    | 17.34                  |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 17.48                 | 17.70                    | 17.35                  |                     |          |  |
| Channel         |            |         |           | 37775                 | 38000                    | 38225                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2572.5                | 2595                     | 2617.5                 |                     |          |  |
| 5               | QPSK       | 1       | 0         | 22.40                 | 22.42                    | 22.36                  | 24                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 22.40                 | 22.34                    | 22.43                  |                     |          |  |
| 5               | QPSK       | 1       | 24        | 22.25                 | 22.41                    | 22.33                  |                     |          |  |
| 5               | QPSK       | 12      | 0         | 21.36                 | 21.54                    | 21.38                  | 23                  | 1        |  |
| 5               | QPSK       | 12      | 7         | 21.19                 | 21.47                    | 21.23                  |                     |          |  |
| 5               | QPSK       | 12      | 13        | 21.12                 | 21.34                    | 21.17                  |                     |          |  |
| 5               | QPSK       | 25      | 0         | 21.26                 | 21.38                    | 21.46                  | 23                  | 1        |  |
| 5               | 16QAM      | 1       | 0         | 21.29                 | 21.39                    | 21.32                  |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 21.25                 | 21.52                    | 21.48                  |                     |          |  |
| 5               | 16QAM      | 1       | 24        | 21.39                 | 21.33                    | 21.13                  | 22                  | 2        |  |
| 5               | 16QAM      | 12      | 0         | 20.40                 | 20.57                    | 20.45                  |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 20.43                 | 20.56                    | 20.34                  |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 20.51                 | 20.66                    | 20.25                  | 22                  | 2        |  |
| 5               | 16QAM      | 25      | 0         | 20.29                 | 20.53                    | 20.52                  |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 20.32                 | 20.56                    | 20.31                  |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 20.21                 | 20.48                    | 20.43                  | 22                  | 2        |  |
| 5               | 64QAM      | 1       | 24        | 20.38                 | 20.59                    | 20.58                  |                     |          |  |
| 5               | 64QAM      | 12      | 0         | 19.42                 | 19.50                    | 19.41                  |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 19.59                 | 19.57                    | 19.39                  | 21                  | 3        |  |
| 5               | 64QAM      | 12      | 13        | 19.30                 | 19.62                    | 19.37                  |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 19.45                 | 19.61                    | 19.29                  |                     |          |  |
| 5               | 256QAM     | 1       | 0         | 17.27                 | 17.59                    | 17.47                  | 19                  | 5        |  |
| 5               | 256QAM     | 1       | 12        | 17.52                 | 17.62                    | 17.28                  |                     |          |  |
| 5               | 256QAM     | 1       | 24        | 17.38                 | 17.45                    | 17.57                  |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 17.35                 | 17.42                    | 17.50                  | 19                  | 5        |  |
| 5               | 256QAM     | 12      | 7         | 17.27                 | 17.57                    | 17.40                  |                     |          |  |
| 5               | 256QAM     | 12      | 13        | 17.35                 | 17.67                    | 17.30                  |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 17.36                 | 17.57                    | 17.47                  |                     |          |  |

| Band 41 Ant 4   |            |         |           |                       |                              |                          |                               |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 39750                 | 40185                        | 40620                    | 41055                         | 41490                  |                     |          |
| Frequency (MHz) |            |         |           | 2506                  | 2549.5                       | 2593                     | 2636.5                        | 2680                   |                     |          |
| 20              | QPSK       | 1       | 0         | 22.48                 | 22.42                        | 22.58                    | 22.48                         | 22.53                  | 24                  | 0        |
| 20              | QPSK       | 1       | 49        | 22.40                 | 22.30                        | 22.54                    | 22.41                         | 22.50                  |                     |          |
| 20              | QPSK       | 1       | 99        | 22.46                 | 22.38                        | 22.43                    | 22.36                         | 22.44                  |                     |          |
| 20              | QPSK       | 50      | 0         | 21.46                 | 21.32                        | 21.56                    | 21.54                         | 21.51                  | 23                  | 1        |
| 20              | QPSK       | 50      | 24        | 21.44                 | 21.25                        | 21.50                    | 21.50                         | 21.43                  |                     |          |
| 20              | QPSK       | 50      | 50        | 21.48                 | 21.14                        | 21.42                    | 21.34                         | 21.30                  |                     |          |
| 20              | QPSK       | 100     | 0         | 21.30                 | 21.34                        | 21.54                    | 21.40                         | 21.31                  | 23                  | 1        |
| 20              | 16QAM      | 1       | 0         | 21.47                 | 21.17                        | 21.39                    | 21.46                         | 21.36                  |                     |          |
| 20              | 16QAM      | 1       | 49        | 21.30                 | 21.14                        | 21.35                    | 21.38                         | 21.48                  |                     |          |
| 20              | 16QAM      | 1       | 99        | 21.34                 | 21.26                        | 21.36                    | 21.50                         | 21.47                  | 22                  | 2        |
| 20              | 16QAM      | 50      | 0         | 20.38                 | 20.39                        | 20.65                    | 20.63                         | 20.41                  |                     |          |
| 20              | 16QAM      | 50      | 24        | 20.48                 | 20.27                        | 20.45                    | 20.61                         | 20.56                  |                     |          |
| 20              | 16QAM      | 50      | 50        | 20.55                 | 20.43                        | 20.49                    | 20.60                         | 20.56                  | 22                  | 2        |
| 20              | 16QAM      | 100     | 0         | 20.51                 | 20.43                        | 20.52                    | 20.61                         | 20.53                  |                     |          |
| 20              | 64QAM      | 1       | 0         | 20.52                 | 20.42                        | 20.60                    | 20.54                         | 20.61                  |                     |          |
| 20              | 64QAM      | 1       | 49        | 20.40                 | 20.42                        | 20.58                    | 20.49                         | 20.63                  | 21                  | 3        |
| 20              | 64QAM      | 1       | 99        | 20.49                 | 20.32                        | 20.58                    | 20.50                         | 20.47                  |                     |          |
| 20              | 64QAM      | 50      | 0         | 19.39                 | 19.30                        | 19.51                    | 19.57                         | 19.54                  |                     |          |
| 20              | 64QAM      | 50      | 24        | 19.39                 | 19.44                        | 19.53                    | 19.48                         | 19.50                  | 19                  | 5        |
| 20              | 64QAM      | 50      | 50        | 19.38                 | 19.25                        | 19.52                    | 19.65                         | 19.43                  |                     |          |
| 20              | 64QAM      | 100     | 0         | 19.38                 | 19.22                        | 19.61                    | 19.65                         | 19.61                  |                     |          |
| 20              | 256QAM     | 1       | 0         | 17.50                 | 17.44                        | 17.51                    | 17.54                         | 17.51                  | 19                  | 5        |
| 20              | 256QAM     | 1       | 49        | 17.47                 | 17.44                        | 17.59                    | 17.54                         | 17.52                  |                     |          |
| 20              | 256QAM     | 1       | 99        | 17.49                 | 17.42                        | 17.56                    | 17.54                         | 17.47                  |                     |          |
| 20              | 256QAM     | 50      | 0         | 17.48                 | 17.39                        | 17.58                    | 17.56                         | 17.47                  | 19                  | 5        |
| 20              | 256QAM     | 50      | 24        | 17.46                 | 17.23                        | 17.66                    | 17.58                         | 17.44                  |                     |          |
| 20              | 256QAM     | 50      | 50        | 17.57                 | 17.36                        | 17.50                    | 17.48                         | 17.44                  |                     |          |
| 20              | 256QAM     | 100     | 0         | 17.57                 | 17.36                        | 17.66                    | 17.43                         | 17.41                  |                     |          |
| Channel         |            |         |           | 39725                 | 40173                        | 40620                    | 41068                         | 41515                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2503.5                | 2548.3                       | 2593                     | 2637.8                        | 2682.5                 |                     |          |
| 15              | QPSK       | 1       | 0         | 22.46                 | 22.39                        | 22.50                    | 22.36                         | 22.41                  | 24                  | 0        |
| 15              | QPSK       | 1       | 37        | 22.37                 | 22.13                        | 22.50                    | 22.36                         | 22.51                  |                     |          |
| 15              | QPSK       | 1       | 74        | 22.43                 | 22.33                        | 22.21                    | 22.20                         | 22.24                  |                     |          |
| 15              | QPSK       | 36      | 0         | 21.25                 | 21.33                        | 21.43                    | 21.52                         | 21.45                  | 23                  | 1        |
| 15              | QPSK       | 36      | 20        | 21.33                 | 21.03                        | 21.40                    | 21.51                         | 21.30                  |                     |          |
| 15              | QPSK       | 36      | 39        | 21.49                 | 21.32                        | 21.34                    | 21.35                         | 21.08                  |                     |          |
| 15              | QPSK       | 75      | 0         | 21.13                 | 21.28                        | 21.34                    | 21.19                         | 21.26                  | 23                  | 1        |
| 15              | 16QAM      | 1       | 0         | 21.44                 | 21.10                        | 21.30                    | 21.25                         | 21.21                  |                     |          |
| 15              | 16QAM      | 1       | 37        | 21.24                 | 21.04                        | 21.35                    | 21.24                         | 21.31                  |                     |          |
| 15              | 16QAM      | 1       | 74        | 21.30                 | 21.06                        | 21.29                    | 21.31                         | 21.38                  | 22                  | 2        |
| 15              | 16QAM      | 36      | 0         | 20.20                 | 20.17                        | 20.44                    | 20.64                         | 20.35                  |                     |          |
| 15              | 16QAM      | 36      | 20        | 20.37                 | 20.25                        | 20.31                    | 20.53                         | 20.47                  |                     |          |
| 15              | 16QAM      | 36      | 39        | 20.44                 | 20.33                        | 20.33                    | 20.55                         | 20.51                  | 22                  | 2        |
| 15              | 16QAM      | 75      | 0         | 20.45                 | 20.26                        | 20.40                    | 20.44                         | 20.41                  |                     |          |
| 15              | 64QAM      | 1       | 0         | 20.45                 | 20.28                        | 20.55                    | 20.48                         | 20.62                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 20.23                 | 20.30                        | 20.46                    | 20.36                         | 20.59                  | 22                  | 2        |
| 15              | 64QAM      | 1       | 74        | 20.39                 | 20.21                        | 20.48                    | 20.38                         | 20.28                  |                     |          |
| 15              | 64QAM      | 36      | 0         | 19.36                 | 19.30                        | 19.38                    | 19.42                         | 19.41                  |                     |          |
| 15              | 64QAM      | 36      | 20        | 19.28                 | 19.44                        | 19.40                    | 19.27                         | 19.44                  | 21                  | 3        |
| 15              | 64QAM      | 36      | 39        | 19.26                 | 19.26                        | 19.30                    | 19.50                         | 19.30                  |                     |          |
| 15              | 64QAM      | 75      | 0         | 19.32                 | 19.02                        | 19.40                    | 19.45                         | 19.51                  |                     |          |
| 15              | 256QAM     | 1       | 0         | 17.33                 | 17.37                        | 17.41                    | 17.43                         | 17.36                  | 19                  | 5        |
| 15              | 256QAM     | 1       | 37        | 17.27                 | 17.44                        | 17.42                    | 17.36                         | 17.43                  |                     |          |
| 15              | 256QAM     | 1       | 74        | 17.50                 | 17.41                        | 17.39                    | 17.56                         | 17.45                  |                     |          |
| 15              | 256QAM     | 36      | 0         | 17.43                 | 17.30                        | 17.37                    | 17.57                         | 17.35                  | 19                  | 5        |
| 15              | 256QAM     | 36      | 20        | 17.34                 | 17.10                        | 17.45                    | 17.53                         | 17.40                  |                     |          |
| 15              | 256QAM     | 36      | 39        | 17.40                 | 17.23                        | 17.29                    | 17.31                         | 17.35                  |                     |          |
| 15              | 256QAM     | 75      | 0         | 17.58                 | 17.23                        | 17.44                    | 17.30                         | 17.27                  |                     |          |
| Channel         |            |         |           | 39700                 | 40160                        | 40620                    | 41080                         | 41540                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2501                  | 2547                         | 2593                     | 2639                          | 2685                   |                     |          |
| 10              | QPSK       | 1       | 0         | 22.28                 | 22.23                        | 22.38                    | 22.42                         | 22.47                  | 24                  | 0        |
| 10              | QPSK       | 1       | 25        | 22.42                 | 22.30                        | 22.45                    | 22.34                         | 22.45                  |                     |          |
| 10              | QPSK       | 1       | 49        | 22.33                 | 22.36                        | 22.27                    | 22.29                         | 22.40                  |                     |          |
| 10              | QPSK       | 25      | 0         | 21.32                 | 21.18                        | 21.51                    | 21.33                         | 21.37                  | 23                  | 1        |
| 10              | QPSK       | 25      | 12        | 21.31                 | 21.21                        | 21.39                    | 21.47                         | 21.32                  |                     |          |
| 10              | QPSK       | 25      | 25        | 21.45                 | 21.12                        | 21.29                    | 21.17                         | 21.15                  |                     |          |
| 10              | QPSK       | 50      | 0         | 21.28                 | 21.21                        | 21.39                    | 21.26                         | 21.20                  | 23                  | 1        |
| 10              | 16QAM      | 1       | 0         | 21.36                 | 21.14                        | 21.40                    | 21.46                         | 21.37                  |                     |          |
| 10              | 16QAM      | 1       | 25        | 21.09                 | 21.05                        | 21.19                    | 21.31                         | 21.44                  |                     |          |
| 10              | 16QAM      | 1       | 49        | 21.21                 | 21.21                        | 21.29                    | 21.40                         | 21.28                  | 22                  | 2        |
| 10              | 16QAM      | 25      | 0         | 20.38                 | 20.24                        | 20.59                    | 20.59                         | 20.41                  |                     |          |
| 10              | 16QAM      | 25      | 12        | 20.27                 | 20.28                        | 20.24                    | 20.46                         | 20.48                  |                     |          |
| 10              | 16QAM      | 25      | 25        | 20.53                 | 20.44                        | 20.40                    | 20.40                         | 20.36                  | 22                  | 2        |
| 10              | 16QAM      | 50      | 0         | 20.48                 | 20.22                        | 20.39                    | 20.53                         | 20.36                  |                     |          |
| 10              | 64QAM      | 0       | 0         | 20.49                 | 20.09                        | 20.54                    | 20.50                         | 20.53                  |                     |          |
| 10              | 64QAM      | 1       | 25        | 20.29                 | 20.27                        | 20.46                    | 20.40                         | 20.51                  | 21                  | 3        |
| 10              | 64QAM      | 1       | 49        | 20.44                 | 20.15                        | 20.47                    | 20.37                         | 20.46                  |                     |          |
| 10              | 64QAM      | 25      | 0         | 19.31                 | 19.29                        | 19.39                    | 19.49                         | 19.54                  |                     |          |
| 10              | 64QAM      | 25      | 12        | 19.21                 | 19.34                        | 19.43                    | 19.35                         | 19.51                  | 19                  | 5        |
| 10              | 64QAM      | 25      | 25        | 19.18                 | 19.16                        | 19.50                    | 19.63                         | 19.26                  |                     |          |
| 10              | 64QAM      | 50      | 0         | 19.33                 | 19.21                        | 19.48                    | 19.64                         | 19.42                  |                     |          |
| 10              | 256QAM     | 1       | 0         | 17.31                 | 17.40                        | 17.38                    | 17.44                         | 17.47                  | 19                  | 5        |
| 10              | 256QAM     | 1       | 25        | 17.33                 | 17.30                        | 17.46                    | 17.51                         | 17.43                  |                     |          |
| 10              | 256QAM     | 1       | 49        | 17.32                 | 17.38                        | 17.38                    | 17.53                         | 17.34                  |                     |          |
| 10              | 256QAM     | 25      | 0         | 17.30                 | 17.37                        | 17.56                    | 17.40                         | 17.38                  | 19                  | 5        |
| 10              | 256QAM     | 25      | 12        | 17.32                 | 17.08                        | 17.54                    | 17.51                         | 17.40                  |                     |          |
| 10              | 256QAM     | 25      | 25        | 17.35                 | 17.21                        | 17.51                    | 17.28                         | 17.40                  |                     |          |
| 10              | 256QAM     | 50      | 0         | 17.55                 | 17.19                        | 17.57                    | 17.32                         | 17.38                  |                     |          |
| Channel         |            |         |           | 39675                 | 40148                        | 40620                    | 41093                         | 41565                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2498.5                | 2545.8                       | 2593                     | 2640.30                       | 2687.5                 |                     |          |
| 5               | QPSK       | 1       | 0         | 22.48                 | 22.34                        | 22.42                    | 22.41                         | 22.53                  | 24                  | 0        |
| 5               | QPSK       | 1       | 12        | 22.27                 | 22.25                        | 22.37                    | 22.31                         | 22.54                  |                     |          |
| 5               | QPSK       | 1       | 24        | 22.43                 | 22.39                        | 22.44                    | 22.26                         | 22.36                  |                     |          |
| 5               | QPSK       | 12      | 0         | 21.45                 | 21.20                        | 21.55                    | 21.36                         | 21.50                  | 23                  | 1        |
| 5               | QPSK       | 12      | 7         | 21.45                 | 21.25                        | 21.35                    | 21.39                         | 21.30                  |                     |          |
| 5               | QPSK       | 12      | 13        | 21.36                 | 21.08                        | 21.32                    | 21.15                         | 21.09                  |                     |          |
| 5               | QPSK       | 25      | 0         | 21.18                 | 21.30                        | 21.48                    | 21.20                         | 21.26                  | 23                  | 1        |
| 5               | 16QAM      | 1       | 0         | 21.37                 | 21.05                        | 21.36                    | 21.40                         | 21.36                  |                     |          |
| 5               | 16QAM      | 1       | 12        | 21.31                 | 21.02                        | 21.16                    | 21.36                         | 21.50                  |                     |          |
| 5               | 16QAM      | 1       | 24        | 21.15                 | 21.26                        | 21.29                    | 21.42                         | 21.26                  | 22                  | 2        |
| 5               | 16QAM      | 12      | 0         | 20.26                 | 20.29                        | 20.62                    | 20.54                         | 20.41                  |                     |          |
| 5               | 16QAM      | 12      | 7         | 20.31                 | 20.13                        | 20.28                    | 20.49                         | 20.34                  |                     |          |
| 5               | 16QAM      | 12      | 13        | 20.41                 | 20.45                        | 20.44                    | 20.62                         | 20.40                  | 22                  | 2        |
| 5               | 16QAM      | 25      | 0         | 20.45                 | 20.34                        | 20.33                    | 20.48                         | 20.55                  |                     |          |
| 5               | 64QAM      | 1       | 0         | 20.35                 | 20.26                        | 20.52                    | 20.34                         | 20.47                  |                     |          |
| 5               | 64QAM      | 1       | 12        | 20.36                 | 20.35                        | 20.38                    | 20.32                         | 20.45                  | 22                  | 2        |
| 5               | 64QAM      | 1       | 24        | 20.30                 | 20.12                        | 20.47                    | 20.33                         | 20.44                  |                     |          |
| 5               | 64QAM      | 12      | 0         | 19.33                 | 19.22                        | 19.52                    | 19.46                         | 19.43                  |                     |          |
| 5               | 64QAM      | 12      | 7         | 19.26                 | 19.25                        | 19.41                    | 19.47                         | 19.49                  | 21                  | 3        |
| 5               | 64QAM      | 12      | 13        | 19.37                 | 19.19                        | 19.48                    | 19.62                         | 19.37                  |                     |          |
| 5               | 64QAM      | 25      | 0         | 19.21                 | 19.29                        | 19.53                    | 19.64                         | 19.56                  |                     |          |
| 5               | 256QAM     | 1       | 0         | 17.28                 | 17.44                        | 17.34                    | 17.56                         | 17.37                  | 19                  | 5        |
| 5               | 256QAM     | 1       | 12        | 17.35                 | 17.38                        | 17.48                    | 17.41                         | 17.50                  |                     |          |
| 5               | 256QAM     | 1       | 24        | 17.48                 | 17.36                        | 17.56                    | 17.37                         | 17.33                  |                     |          |
| 5               | 256QAM     | 12      | 0         | 17.31                 | 17.18                        | 17.39                    | 17.42                         | 17.34                  | 19                  | 5        |
| 5               | 256QAM     | 12      | 7         | 17.44                 | 17.28                        | 17.48                    | 17.41                         | 17.34                  |                     |          |
| 5               | 256QAM     | 12      | 13        | 17.53                 | 17.24                        | 17.29                    | 17.39                         | 17.45                  |                     |          |
| 5               | 256QAM     | 25      | 0         | 17.37                 | 17.26                        | 17.68                    | 17.38                         | 17.31                  |                     |          |

| Band 42 FCC Part27Q Ant 5 |            |         |           |                       |                          |                        |                     |          |  |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                  | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           | 42190                 | 42590                    | 42990                  |                     |          |  |
| Frequency (MHz)           |            |         |           | 3460                  | 3500                     | 3540                   |                     |          |  |
| 20                        | QPSK       | 1       | 0         | 23.09                 | 23.15                    | 23.12                  | 24                  | 0        |  |
| 20                        | QPSK       | 1       | 49        | 23.02                 | 23.03                    | 22.91                  |                     |          |  |
| 20                        | QPSK       | 1       | 99        | 23.06                 | 22.93                    | 23.09                  |                     |          |  |
| 20                        | QPSK       | 50      | 0         | 22.01                 | 22.19                    | 22.06                  | 23                  | 1        |  |
| 20                        | QPSK       | 50      | 24        | 21.93                 | 22.04                    | 22.02                  |                     |          |  |
| 20                        | QPSK       | 50      | 50        | 21.83                 | 22.06                    | 21.96                  |                     |          |  |
| 20                        | QPSK       | 100     | 0         | 21.85                 | 22.20                    | 21.98                  | 23                  | 1        |  |
| 20                        | 16QAM      | 1       | 0         | 22.00                 | 21.98                    | 22.01                  |                     |          |  |
| 20                        | 16QAM      | 1       | 49        | 21.81                 | 22.03                    | 22.03                  |                     |          |  |
| 20                        | 16QAM      | 1       | 99        | 21.94                 | 22.14                    | 21.85                  | 22                  | 2        |  |
| 20                        | 16QAM      | 50      | 0         | 21.08                 | 21.08                    | 21.02                  |                     |          |  |
| 20                        | 16QAM      | 50      | 24        | 20.90                 | 21.13                    | 21.08                  |                     |          |  |
| 20                        | 16QAM      | 50      | 50        | 21.10                 | 21.16                    | 21.06                  | 22                  | 2        |  |
| 20                        | 16QAM      | 100     | 0         | 21.09                 | 21.29                    | 21.03                  |                     |          |  |
| 20                        | 64QAM      | 1       | 0         | 20.90                 | 21.24                    | 21.00                  |                     |          |  |
| 20                        | 64QAM      | 1       | 49        | 20.95                 | 21.15                    | 21.02                  | 22                  | 2        |  |
| 20                        | 64QAM      | 1       | 99        | 21.05                 | 21.14                    | 21.17                  |                     |          |  |
| 20                        | 64QAM      | 50      | 0         | 19.94                 | 20.18                    | 19.98                  |                     |          |  |
| 20                        | 64QAM      | 50      | 24        | 20.10                 | 20.27                    | 20.15                  | 21                  | 3        |  |
| 20                        | 64QAM      | 50      | 50        | 20.06                 | 20.19                    | 19.95                  |                     |          |  |
| 20                        | 64QAM      | 100     | 0         | 19.98                 | 20.25                    | 20.00                  |                     |          |  |
| 20                        | 256QAM     | 1       | 0         | 18.04                 | 18.18                    | 18.06                  | 19                  | 5        |  |
| 20                        | 256QAM     | 1       | 49        | 17.91                 | 18.19                    | 18.09                  |                     |          |  |
| 20                        | 256QAM     | 1       | 99        | 18.08                 | 18.11                    | 18.14                  |                     |          |  |
| 20                        | 256QAM     | 50      | 0         | 17.92                 | 18.30                    | 17.95                  | 19                  | 5        |  |
| 20                        | 256QAM     | 50      | 24        | 18.12                 | 18.14                    | 18.07                  |                     |          |  |
| 20                        | 256QAM     | 50      | 50        | 18.01                 | 18.25                    | 18.13                  |                     |          |  |
| 20                        | 256QAM     | 100     | 0         | 18.07                 | 18.29                    | 18.17                  |                     |          |  |
| Channel                   |            |         |           | 42165                 | 42590                    | 43015                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3457.5                | 3500                     | 3542.5                 |                     |          |  |
| 15                        | QPSK       | 1       | 0         | 22.93                 | 22.95                    | 23.13                  | 24                  | 0        |  |
| 15                        | QPSK       | 1       | 37        | 23.03                 | 22.97                    | 22.83                  |                     |          |  |
| 15                        | QPSK       | 1       | 74        | 23.03                 | 22.87                    | 22.95                  |                     |          |  |
| 15                        | QPSK       | 36      | 0         | 21.89                 | 22.07                    | 21.89                  | 23                  | 1        |  |
| 15                        | QPSK       | 36      | 20        | 21.80                 | 21.99                    | 21.82                  |                     |          |  |
| 15                        | QPSK       | 36      | 39        | 21.72                 | 21.99                    | 21.76                  |                     |          |  |
| 15                        | QPSK       | 75      | 0         | 21.74                 | 22.03                    | 21.87                  | 23                  | 1        |  |
| 15                        | 16QAM      | 1       | 0         | 21.82                 | 21.88                    | 21.85                  |                     |          |  |
| 15                        | 16QAM      | 1       | 37        | 21.85                 | 21.82                    | 21.94                  |                     |          |  |
| 15                        | 16QAM      | 1       | 74        | 21.76                 | 22.01                    | 21.72                  | 22                  | 2        |  |
| 15                        | 16QAM      | 36      | 0         | 20.93                 | 20.94                    | 20.87                  |                     |          |  |
| 15                        | 16QAM      | 36      | 20        | 20.81                 | 21.11                    | 20.99                  |                     |          |  |
| 15                        | 16QAM      | 36      | 39        | 20.92                 | 21.06                    | 21.05                  | 21                  | 3        |  |
| 15                        | 16QAM      | 75      | 0         | 20.99                 | 21.31                    | 20.92                  |                     |          |  |
| 15                        | 64QAM      | 1       | 0         | 20.68                 | 21.11                    | 20.95                  |                     |          |  |
| 15                        | 64QAM      | 1       | 37        | 20.74                 | 21.01                    | 20.87                  | 22                  | 2        |  |
| 15                        | 64QAM      | 1       | 74        | 20.88                 | 21.03                    | 21.09                  |                     |          |  |
| 15                        | 64QAM      | 36      | 0         | 19.94                 | 20.09                    | 19.86                  |                     |          |  |
| 15                        | 64QAM      | 36      | 20        | 19.94                 | 20.09                    | 20.03                  | 21                  | 3        |  |
| 15                        | 64QAM      | 36      | 39        | 19.93                 | 20.08                    | 19.93                  |                     |          |  |
| 15                        | 64QAM      | 75      | 0         | 19.95                 | 20.06                    | 19.87                  |                     |          |  |
| 15                        | 256QAM     | 1       | 0         | 17.98                 | 18.15                    | 17.86                  | 19                  | 5        |  |
| 15                        | 256QAM     | 1       | 37        | 17.77                 | 18.01                    | 18.10                  |                     |          |  |
| 15                        | 256QAM     | 1       | 74        | 18.06                 | 18.05                    | 18.06                  |                     |          |  |
| 15                        | 256QAM     | 36      | 0         | 17.85                 | 18.21                    | 17.75                  | 19                  | 5        |  |
| 15                        | 256QAM     | 36      | 20        | 17.92                 | 18.10                    | 17.90                  |                     |          |  |
| 15                        | 256QAM     | 36      | 39        | 17.98                 | 18.12                    | 18.08                  |                     |          |  |
| 15                        | 256QAM     | 75      | 0         | 18.00                 | 18.21                    | 17.95                  |                     |          |  |
| Channel                   |            |         |           | 42140                 | 42590                    | 43040                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3455                  | 3500                     | 3545                   |                     |          |  |
| 10                        | QPSK       | 1       | 0         | 23.01                 | 23.04                    | 23.11                  | 24                  | 0        |  |
| 10                        | QPSK       | 1       | 25        | 22.91                 | 22.89                    | 22.83                  |                     |          |  |
| 10                        | QPSK       | 1       | 49        | 22.99                 | 22.72                    | 22.92                  |                     |          |  |
| 10                        | QPSK       | 25      | 0         | 21.91                 | 22.06                    | 21.95                  | 23                  | 1        |  |
| 10                        | QPSK       | 25      | 12        | 21.78                 | 21.92                    | 22.02                  |                     |          |  |
| 10                        | QPSK       | 25      | 25        | 21.72                 | 21.89                    | 21.91                  |                     |          |  |
| 10                        | QPSK       | 50      | 0         | 21.75                 | 22.06                    | 21.81                  | 23                  | 1        |  |
| 10                        | 16QAM      | 1       | 0         | 21.96                 | 21.77                    | 21.87                  |                     |          |  |
| 10                        | 16QAM      | 1       | 25        | 21.73                 | 21.85                    | 21.90                  |                     |          |  |
| 10                        | 16QAM      | 1       | 49        | 21.73                 | 21.95                    | 21.79                  | 22                  | 2        |  |
| 10                        | 16QAM      | 25      | 0         | 21.02                 | 20.89                    | 20.89                  |                     |          |  |
| 10                        | 16QAM      | 25      | 12        | 20.92                 | 20.96                    | 21.02                  |                     |          |  |
| 10                        | 16QAM      | 25      | 25        | 20.88                 | 20.94                    | 20.99                  | 21                  | 3        |  |
| 10                        | 16QAM      | 50      | 0         | 20.96                 | 21.18                    | 20.85                  |                     |          |  |
| 10                        | 64QAM      | 1       | 0         | 20.83                 | 21.19                    | 20.86                  |                     |          |  |
| 10                        | 64QAM      | 1       | 25        | 20.96                 | 21.14                    | 20.90                  | 22                  | 2        |  |
| 10                        | 64QAM      | 1       | 49        | 21.04                 | 20.96                    | 21.01                  |                     |          |  |
| 10                        | 64QAM      | 25      | 0         | 19.74                 | 20.14                    | 19.83                  |                     |          |  |
| 10                        | 64QAM      | 25      | 12        | 20.11                 | 20.11                    | 20.05                  | 21                  | 3        |  |
| 10                        | 64QAM      | 25      | 25        | 20.06                 | 20.02                    | 19.94                  |                     |          |  |
| 10                        | 64QAM      | 50      | 0         | 19.93                 | 20.15                    | 19.79                  |                     |          |  |
| 10                        | 256QAM     | 1       | 0         | 17.99                 | 17.99                    | 17.88                  | 19                  | 5        |  |
| 10                        | 256QAM     | 1       | 25        | 17.89                 | 18.14                    | 17.99                  |                     |          |  |
| 10                        | 256QAM     | 1       | 49        | 18.06                 | 18.01                    | 17.96                  |                     |          |  |
| 10                        | 256QAM     | 25      | 0         | 17.91                 | 18.18                    | 17.79                  | 19                  | 5        |  |
| 10                        | 256QAM     | 25      | 12        | 17.98                 | 18.07                    | 17.89                  |                     |          |  |
| 10                        | 256QAM     | 25      | 25        | 17.79                 | 18.08                    | 17.96                  |                     |          |  |
| 10                        | 256QAM     | 50      | 0         | 18.04                 | 18.13                    | 17.99                  |                     |          |  |
| Channel                   |            |         |           | 42115                 | 42590                    | 43065                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3452.5                | 3500                     | 3547.5                 |                     |          |  |
| 5                         | QPSK       | 1       | 0         | 22.95                 | 22.96                    | 22.92                  | 24                  | 0        |  |
| 5                         | QPSK       | 1       | 12        | 22.91                 | 22.90                    | 22.87                  |                     |          |  |
| 5                         | QPSK       | 1       | 24        | 22.90                 | 22.77                    | 22.89                  |                     |          |  |
| 5                         | QPSK       | 12      | 0         | 21.84                 | 22.07                    | 21.95                  | 23                  | 1        |  |
| 5                         | QPSK       | 12      | 7         | 21.71                 | 22.00                    | 21.90                  |                     |          |  |
| 5                         | QPSK       | 12      | 13        | 21.75                 | 21.95                    | 21.86                  |                     |          |  |
| 5                         | QPSK       | 25      | 0         | 21.73                 | 22.18                    | 22.00                  | 23                  | 1        |  |
| 5                         | 16QAM      | 1       | 0         | 21.90                 | 21.79                    | 21.99                  |                     |          |  |
| 5                         | 16QAM      | 1       | 12        | 21.81                 | 21.90                    | 21.94                  |                     |          |  |
| 5                         | 16QAM      | 1       | 24        | 21.92                 | 21.96                    | 21.67                  | 22                  | 2        |  |
| 5                         | 16QAM      | 12      | 0         | 20.94                 | 21.01                    | 20.81                  |                     |          |  |
| 5                         | 16QAM      | 12      | 7         | 20.71                 | 20.94                    | 21.06                  |                     |          |  |
| 5                         | 16QAM      | 12      | 13        | 20.90                 | 21.08                    | 20.86                  | 22                  | 2        |  |
| 5                         | 16QAM      | 25      | 0         | 21.10                 | 21.28                    | 20.99                  |                     |          |  |
| 5                         | 64QAM      | 1       | 0         | 20.76                 | 21.17                    | 20.92                  |                     |          |  |
| 5                         | 64QAM      | 1       | 12        | 20.87                 | 20.97                    | 20.83                  | 22                  | 2        |  |
| 5                         | 64QAM      | 1       | 24        | 20.99                 | 21.06                    | 21.01                  |                     |          |  |
| 5                         | 64QAM      | 12      | 0         | 19.88                 | 20.09                    | 19.87                  |                     |          |  |
| 5                         | 64QAM      | 12      | 7         | 20.09                 | 20.07                    | 19.99                  | 21                  | 3        |  |
| 5                         | 64QAM      | 12      | 13        | 19.93                 | 20.02                    | 19.84                  |                     |          |  |
| 5                         | 64QAM      | 25      | 0         | 19.84                 | 20.23                    | 19.84                  |                     |          |  |
| 5                         | 256QAM     | 1       | 0         | 18.04                 | 18.07                    | 18.02                  | 19                  | 5        |  |
| 5                         | 256QAM     | 1       | 12        | 17.83                 | 18.16                    | 17.96                  |                     |          |  |
| 5                         | 256QAM     | 1       | 24        | 18.06                 | 18.05                    | 18.08                  |                     |          |  |
| 5                         | 256QAM     | 12      | 0         | 17.90                 | 18.25                    | 17.78                  | 19                  | 5        |  |
| 5                         | 256QAM     | 12      | 7         | 18.00                 | 18.13                    | 17.99                  |                     |          |  |
| 5                         | 256QAM     | 12      | 13        | 17.92                 | 18.26                    | 18.13                  |                     |          |  |
| 5                         | 256QAM     | 25      | 0         | 18.04                 | 18.15                    | 18.15                  |                     |          |  |

### Reduced Power Mode for DSI2

| GSM850 Ant 0              |       |                     |       | Frame-Average Power (dBm) |       |                     |             |
|---------------------------|-------|---------------------|-------|---------------------------|-------|---------------------|-------------|
| Burst Average Power (dBm) |       | Tune-up Limit (dBm) |       | Tune-up Limit (dBm)       |       | Tune-up Limit (dBm) |             |
| TX Channel                | 124   | 169                 | 251   | 169                       | 169   | 251                 | Limit (dBm) |
| Frequency (MHz)           | 824.2 | 836.4               | 848.8 | 824.2                     | 836.4 | 848.8               | Limit (dBm) |
| GSM 1 Tx slot             | 32.75 | 32.84               | 32.78 | 33.50                     | 23.75 | 23.84               | 23.78       |
| GPRS 1 Tx slot            | 32.72 | 32.81               | 32.76 | 33.50                     | 23.72 | 23.81               | 23.76       |
| GPRS 2 Tx slots           | 29.53 | 29.31               | 28.55 | 30.50                     | 23.53 | 23.31               | 23.55       |
| GPRS 3 Tx slots           | 27.72 | 27.53               | 27.50 | 28.50                     | 23.48 | 23.27               | 23.24       |
| GPRS 4 Tx slots           | 26.41 | 26.38               | 26.30 | 27.50                     | 23.41 | 23.38               | 23.30       |
| EDGE 1 Tx slot            | 26.76 | 26.71               | 26.73 | 27.50                     | 17.76 | 17.71               | 17.73       |
| EDGE 2 Tx slots           | 25.39 | 25.32               | 25.35 | 26.50                     | 19.39 | 19.32               | 19.35       |
| EDGE 3 Tx slots           | 23.86 | 23.66               | 23.70 | 24.50                     | 19.60 | 19.40               | 19.44       |
| EDGE 4 Tx slots           | 21.64 | 21.66               | 21.54 | 22.50                     | 18.64 | 18.65               | 18.54       |

| Band            |                    | WCDMA V Ant 0 |       |       | Tune-up Limit (dBm) |
|-----------------|--------------------|---------------|-------|-------|---------------------|
| TX Channel      |                    | 4152          | 4182  | 4233  |                     |
| Rx Channel      |                    | 4357          | 4407  | 4458  | Tune-up Limit (dBm) |
| Frequency (MHz) |                    | 823.4         | 835.4 | 848.0 |                     |
| 3GPP Rel 99     | AMR 12.2Kbps       | 22.85         | 22.85 | 22.78 | 24.00               |
| 3GPP Rel 99     | RMC 12.2Kbps       | 22.95         | 23.03 | 22.96 | 24.00               |
| 3GPP Rel 6      | HSDPA Subtest-1    | 22.05         | 22.00 | 21.90 | 23.00               |
| 3GPP Rel 6      | HSDPA Subtest-2    | 22.01         | 21.98 | 21.89 | 23.00               |
| 3GPP Rel 6      | HSDPA Subtest-3    | 21.53         | 21.58 | 21.52 | 22.50               |
| 3GPP Rel 6      | HSDPA Subtest-4    | 21.47         | 21.46 | 21.52 | 22.50               |
| 3GPP Rel 8      | DC-HSDPA Subtest-1 | 22.02         | 21.95 | 22.03 | 23.00               |
| 3GPP Rel 8      | DC-HSDPA Subtest-2 | 22.04         | 22.04 | 21.92 | 23.00               |
| 3GPP Rel 8      | DC-HSDPA Subtest-3 | 21.50         | 21.48 | 21.37 | 22.50               |
| 3GPP Rel 8      | DC-HSDPA Subtest-4 | 21.37         | 21.62 | 21.49 | 22.50               |
| 3GPP Rel 6      | HSUPA Subtest-1    | 21.93         | 22.02 | 22.03 | 23.00               |
| 3GPP Rel 6      | HSUPA Subtest-2    | 20.05         | 19.97 | 19.96 | 21.00               |
| 3GPP Rel 6      | HSUPA Subtest-3    | 21.05         | 20.94 | 20.85 | 22.00               |
| 3GPP Rel 6      | HSUPA Subtest-4    | 19.84         | 20.12 | 20.03 | 21.00               |
| 3GPP Rel 6      | HSUPA Subtest-5    | 21.85         | 22.14 | 21.86 | 23.00               |

| Band 5 Ant 0    |            |         |           |                       |                          |                        |                     |          |  |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Turn-up limit (dBm) | MPR (dB) |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           | 820                   | 836.5                    | 844                    |                     |          |  |  |
| 10              | QPSK       | 1       | 0         | 22.83                 | 22.94                    | 22.93                  | 24                  | 0        |  |  |
| 10              | QPSK       | 1       | 25        | 22.65                 | 22.90                    | 22.89                  |                     |          |  |  |
| 10              | QPSK       | 1       | 49        | 22.79                 | 22.91                    | 22.83                  |                     |          |  |  |
| 10              | QPSK       | 25      | 0         | 21.88                 | 22.07                    | 22.00                  |                     |          |  |  |
| 10              | QPSK       | 25      | 12        | 22.03                 | 22.06                    | 21.97                  | 23                  | 1        |  |  |
| 10              | QPSK       | 25      | 25        | 22.06                 | 21.97                    | 21.86                  |                     |          |  |  |
| 10              | QPSK       | 50      | 0         | 21.94                 | 22.03                    | 21.89                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 0         | 21.95                 | 22.04                    | 22.01                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 49        | 22.05                 | 21.95                    | 22.00                  | 23                  | 1        |  |  |
| 10              | 16QAM      | 1       | 25        | 21.82                 | 21.86                    | 21.99                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 0         | 21.02                 | 21.02                    | 20.87                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 12        | 21.00                 | 20.86                    | 21.05                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 25        | 21.03                 | 20.86                    | 20.86                  | 22                  | 2        |  |  |
| 10              | 16QAM      | 50      | 0         | 20.95                 | 20.84                    | 21.01                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 0         | 20.95                 | 20.94                    | 20.87                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 25        | 20.95                 | 20.88                    | 20.93                  |                     |          |  |  |
| 10              | 256QAM     | 1       | 49        | 21.08                 | 20.80                    | 20.88                  | 22                  | 2        |  |  |
| 10              | 64QAM      | 25      | 0         | 19.93                 | 19.90                    | 19.84                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 12        | 19.87                 | 19.92                    | 20.03                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 25        | 19.94                 | 19.94                    | 19.92                  |                     |          |  |  |
| 10              | 64QAM      | 50      | 0         | 19.93                 | 19.89                    | 19.91                  | 21                  | 3        |  |  |
| 10              | 256QAM     | 1       | 0         | 18.07                 | 18.03                    | 17.98                  |                     |          |  |  |
| 10              | 256QAM     | 1       | 25        | 18.09                 | 18.03                    | 18.05                  |                     |          |  |  |
| 10              | 256QAM     | 1       | 49        | 18.03                 | 18.03                    | 18.08                  |                     |          |  |  |
| 10              | 256QAM     | 25      | 0         | 17.89                 | 17.87                    | 17.99                  | 19                  | 5        |  |  |
| 10              | 256QAM     | 12      | 7         | 18.11                 | 17.87                    | 17.85                  |                     |          |  |  |
| 10              | 256QAM     | 25      | 25        | 17.92                 | 17.93                    | 17.96                  |                     |          |  |  |
| 10              | 256QAM     | 50      | 0         | 18.03                 | 18.01                    | 17.97                  |                     |          |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           | 20425                 | 20505                    | 20528                  | Turn-up limit (dBm) | MPR (dB) |  |  |
| 5               | QPSK       | 1       | 0         | 22.66                 | 22.85                    | 22.76                  | 24                  | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 22.52                 | 22.90                    | 22.72                  |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 22.65                 | 22.84                    | 22.83                  |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 21.90                 | 22.02                    | 21.99                  |                     |          |  |  |
| 5               | QPSK       | 12      | 7         | 22.00                 | 21.93                    | 21.87                  | 23                  | 1        |  |  |
| 5               | QPSK       | 12      | 13        | 22.04                 | 21.90                    | 21.82                  |                     |          |  |  |
| 5               | QPSK       | 25      | 0         | 21.90                 | 21.88                    | 21.76                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 0         | 21.96                 | 21.86                    | 21.81                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 12        | 21.81                 | 21.78                    | 21.93                  | 23                  | 1        |  |  |
| 5               | 16QAM      | 1       | 24        | 21.86                 | 21.76                    | 21.99                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 0         | 20.95                 | 20.89                    | 20.87                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 7         | 21.02                 | 20.80                    | 20.87                  |                     |          |  |  |
| 5               | 16QAM      | 25      | 0         | 20.73                 | 20.85                    | 20.90                  | 22                  | 2        |  |  |
| 5               | 16QAM      | 25      | 12        | 20.84                 | 20.92                    | 20.75                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 0         | 20.84                 | 20.92                    | 20.86                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 12        | 20.79                 | 20.72                    | 20.92                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 24        | 20.84                 | 20.74                    | 20.81                  | 22                  | 2        |  |  |
| 5               | 64QAM      | 12      | 0         | 19.88                 | 19.74                    | 19.84                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 7         | 19.82                 | 19.71                    | 19.83                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 13        | 19.94                 | 19.94                    | 19.77                  |                     |          |  |  |
| 5               | 64QAM      | 25      | 0         | 19.84                 | 19.71                    | 19.71                  | 21                  | 3        |  |  |
| 5               | 256QAM     | 1       | 0         | 17.91                 | 18.04                    | 17.81                  |                     |          |  |  |
| 5               | 256QAM     | 1       | 12        | 17.90                 | 17.95                    | 17.89                  |                     |          |  |  |
| 5               | 256QAM     | 1       | 24        | 17.91                 | 17.96                    | 18.04                  |                     |          |  |  |
| 5               | 256QAM     | 12      | 0         | 17.85                 | 17.82                    | 17.84                  | 19                  | 5        |  |  |
| 5               | 256QAM     | 12      | 7         | 17.80                 | 17.74                    | 17.86                  |                     |          |  |  |
| 5               | 256QAM     | 12      | 13        | 17.74                 | 17.94                    | 17.75                  |                     |          |  |  |
| 5               | 256QAM     | 25      | 0         | 18.00                 | 18.03                    | 17.81                  |                     |          |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           | 20415                 | 20505                    | 20538                  | Turn-up limit (dBm) | MPR (dB) |  |  |
| 3               | QPSK       | 1       | 0         | 22.80                 | 22.93                    | 22.69                  | 24                  | 0        |  |  |
| 3               | QPSK       | 1       | 8         | 22.60                 | 22.92                    | 22.69                  |                     |          |  |  |
| 3               | QPSK       | 1       | 14        | 22.61                 | 22.88                    | 22.83                  |                     |          |  |  |
| 3               | QPSK       | 8       | 0         | 21.71                 | 21.91                    | 21.87                  |                     |          |  |  |
| 3               | QPSK       | 8       | 4         | 21.90                 | 21.72                    | 21.85                  | 23                  | 1        |  |  |
| 3               | QPSK       | 8       | 7         | 22.01                 | 21.85                    | 21.76                  |                     |          |  |  |
| 3               | QPSK       | 16      | 0         | 21.75                 | 21.88                    | 21.70                  |                     |          |  |  |
| 3               | 16QAM      | 1       | 0         | 21.84                 | 22.06                    | 22.00                  |                     |          |  |  |
| 3               | 16QAM      | 1       | 14        | 20.99                 | 20.73                    | 20.92                  | 23                  | 1        |  |  |
| 3               | 16QAM      | 1       | 14        | 21.84                 | 21.73                    | 21.92                  |                     |          |  |  |
| 3               | 16QAM      | 8       | 0         | 20.81                 | 20.94                    | 20.71                  |                     |          |  |  |
| 3               | 16QAM      | 8       | 4         | 20.80                 | 20.74                    | 21.00                  |                     |          |  |  |
| 3               | 16QAM      | 8       | 7         | 20.86                 | 20.81                    | 20.74                  | 22                  | 2        |  |  |
| 3               | 16QAM      | 15      | 0         | 20.75                 | 20.71                    | 20.98                  |                     |          |  |  |
| 3               | 64QAM      | 1       | 0         | 20.81                 | 20.75                    | 20.74                  |                     |          |  |  |
| 3               | 64QAM      | 1       | 8         | 20.86                 | 20.76                    | 20.73                  |                     |          |  |  |
| 3               | 64QAM      | 1       | 14        | 20.99                 | 20.73                    | 20.99                  | 22                  | 2        |  |  |
| 3               | 64QAM      | 8       | 0         | 19.90                 | 19.74                    | 19.82                  |                     |          |  |  |
| 3               | 64QAM      | 8       | 4         | 19.67                 | 19.77                    | 19.92                  |                     |          |  |  |
| 3               | 64QAM      | 8       | 7         | 19.82                 | 19.67                    | 19.89                  |                     |          |  |  |
| 3               | 64QAM      | 15      | 0         | 19.79                 | 19.71                    | 19.92                  | 21                  | 3        |  |  |
| 3               | 256QAM     | 1       | 0         | 18.02                 | 17.98                    | 17.76                  |                     |          |  |  |
| 3               | 256QAM     | 1       | 8         | 17.96                 | 17.95                    | 17.87                  |                     |          |  |  |
| 3               | 256QAM     | 1       | 14        | 17.85                 | 18.04                    | 18.02                  |                     |          |  |  |
| 3               | 256QAM     | 8       | 0         | 17.77                 | 17.85                    | 17.89                  | 19                  | 5        |  |  |
| 3               | 256QAM     | 8       | 4         | 18.06                 | 17.90                    | 17.90                  |                     |          |  |  |
| 3               | 256QAM     | 8       | 7         | 17.71                 | 17.90                    | 17.91                  |                     |          |  |  |
| 3               | 256QAM     | 15      | 0         | 17.88                 | 17.99                    | 17.96                  |                     |          |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           | 20407                 | 20505                    | 20503                  | Turn-up limit (dBm) | MPR (dB) |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.69                 | 22.92                    | 22.82                  | 24                  | 0        |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.59                 | 22.85                    | 22.81                  |                     |          |  |  |
| 1.4             | QPSK       | 1       | 5         | 22.59                 | 22.82                    | 22.82                  |                     |          |  |  |
| 1.4             | QPSK       | 3       | 0         | 22.73                 | 22.81                    | 22.76                  |                     |          |  |  |
| 1.4             | QPSK       | 3       | 1         | 22.53                 | 22.85                    | 22.87                  | 23                  | 1        |  |  |
| 1.4             | QPSK       | 3       | 3         | 22.77                 | 22.89                    | 22.83                  |                     |          |  |  |
| 1.4             | QPSK       | 6       | 0         | 21.93                 | 21.88                    | 21.85                  |                     |          |  |  |
| 1.4             | 16QAM      | 1       | 0         | 21.87                 | 21.89                    | 21.85                  |                     |          |  |  |
| 1.4             | 16QAM      | 1       | 3         | 21.71                 | 21.88                    | 21.95                  | 23                  | 1        |  |  |
| 1.4             | 16QAM      | 1       | 5         | 21.84                 | 21.87                    | 21.81                  |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 0         | 21.84                 | 21.84                    | 21.73                  |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.94                 | 22.00                    | 21.97                  |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.74                 | 21.68                    | 21.79                  | 22                  | 2        |  |  |
| 1.4             | 16QAM      | 6       | 0         | 20.84                 | 20.69                    | 20.99                  |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 0         | 20.77                 | 20.89                    | 20.81                  |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 3         | 20.83                 | 20.68                    | 20.89                  |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 5         | 20.91                 | 20.84                    | 20.68                  | 22                  | 2        |  |  |
| 1.4             | 64QAM      | 3       | 0         | 20.98                 | 20.78                    | 21.00                  |                     |          |  |  |
| 1.4             | 64QAM      | 3       | 1         | 20.84                 | 20.85                    | 20.83                  |                     |          |  |  |
| 1.4             | 64QAM      | 3       | 3         | 20.92                 | 20.73                    | 20.99                  |                     |          |  |  |
| 1.4             | 64QAM      | 6       | 0         | 19.75                 | 19.77                    | 19.78                  | 21                  | 3        |  |  |
| 1.4             | 256QAM     | 1       | 0         | 18.02                 | 17.99                    | 17.83                  |                     |          |  |  |
| 1.4             | 256QAM     | 1       | 3         | 18.03                 | 17.99                    | 17.97                  |                     |          |  |  |
| 1.4             | 256QAM     | 1       | 5         | 18.04                 | 17.90                    | 18.00                  |                     |          |  |  |
| 1.4             | 256QAM     | 3       | 0         | 17.88                 | 17.82                    | 17.87                  | 19                  | 5        |  |  |
| 1.4             | 256QAM     | 3       | 1         | 18.02                 | 17.76                    | 17.97                  |                     |          |  |  |
| 1.4             | 256QAM     | 3       | 3         | 17.73                 | 17.83                    | 17.95                  |                     |          |  |  |
| 1.4             | 256QAM     | 6       | 0         | 17.89                 | 17.93                    | 17.78                  |                     |          |  |  |

| Band 12 Ant 0   |            |         |           |                       |                          |                        |                  |          |  |                  |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|------------------|----------|--|------------------|----------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Turn-up time (s) | MPR (dB) |  |                  |          |  |
| Channel         |            |         |           |                       |                          |                        |                  |          |  |                  |          |  |
| Frequency (MHz) |            |         |           | 704                   | 707.5                    | 711                    |                  |          |  |                  |          |  |
| 10              | QPSK       | 1       | 0         | 22.82                 | 23.02                    | 22.80                  | 24               | 0        |  |                  |          |  |
| 10              | QPSK       | 1       | 25        | 22.65                 | 22.81                    | 22.76                  |                  |          |  |                  |          |  |
| 10              | QPSK       | 25      | 0         | 21.91                 | 22.07                    | 22.01                  |                  |          |  |                  |          |  |
| 10              | QPSK       | 25      | 12        | 21.90                 | 21.87                    | 21.99                  |                  |          |  |                  |          |  |
| 10              | QPSK       | 25      | 25        | 21.84                 | 21.86                    | 22.03                  | 23               | 1        |  |                  |          |  |
| 10              | QPSK       | 1       | 0         | 21.90                 | 22.03                    | 21.88                  |                  |          |  |                  |          |  |
| 10              | 16QAM      | 1       | 0         | 22.09                 | 21.98                    | 21.94                  |                  |          |  |                  |          |  |
| 10              | 16QAM      | 1       | 25        | 21.86                 | 21.98                    | 22.09                  |                  |          |  |                  |          |  |
| 10              | 16QAM      | 1       | 49        | 21.96                 | 21.96                    | 21.90                  | 23               | 1        |  |                  |          |  |
| 10              | 16QAM      | 25      | 0         | 20.71                 | 20.80                    | 20.84                  |                  |          |  |                  |          |  |
| 10              | 16QAM      | 25      | 12        | 20.80                 | 20.68                    | 20.81                  |                  |          |  |                  |          |  |
| 10              | 16QAM      | 25      | 25        | 20.68                 | 20.79                    | 20.63                  |                  |          |  |                  |          |  |
| 10              | 16QAM      | 50      | 0         | 20.78                 | 20.82                    | 20.86                  | 22               | 2        |  |                  |          |  |
| 10              | 64QAM      | 25      | 12        | 20.66                 | 20.79                    | 20.83                  |                  |          |  |                  |          |  |
| 10              | 64QAM      | 1       | 25        | 20.72                 | 20.72                    | 20.75                  |                  |          |  |                  |          |  |
| 10              | 64QAM      | 1       | 49        | 20.65                 | 20.65                    | 20.79                  |                  |          |  |                  |          |  |
| 10              | 64QAM      | 25      | 0         | 19.81                 | 19.72                    | 19.75                  | 21               | 3        |  |                  |          |  |
| 10              | 64QAM      | 25      | 12        | 19.85                 | 19.70                    | 19.90                  |                  |          |  |                  |          |  |
| 10              | 64QAM      | 25      | 25        | 19.85                 | 19.79                    | 19.72                  |                  |          |  |                  |          |  |
| 10              | 64QAM      | 50      | 0         | 19.91                 | 19.90                    | 19.71                  |                  |          |  |                  |          |  |
| 10              | 25QAM      | 1       | 0         | 17.77                 | 17.88                    | 17.83                  | 19               | 5        |  |                  |          |  |
| 10              | 25QAM      | 1       | 25        | 17.77                 | 17.78                    | 17.80                  |                  |          |  |                  |          |  |
| 10              | 25QAM      | 1       | 49        | 17.90                 | 17.82                    | 17.70                  |                  |          |  |                  |          |  |
| 10              | 25QAM      | 25      | 0         | 17.68                 | 17.69                    | 17.80                  |                  |          |  |                  |          |  |
| 10              | 25QAM      | 25      | 12        | 17.67                 | 17.79                    | 17.83                  | 19               | 5        |  |                  |          |  |
| 10              | 25QAM      | 25      | 25        | 17.69                 | 17.81                    | 17.85                  |                  |          |  |                  |          |  |
| 10              | 25QAM      | 50      | 0         | 17.70                 | 17.86                    | 17.84                  |                  |          |  |                  |          |  |
| Channel         |            |         |           | 23035                 | 23095                    | 23195                  |                  |          |  | Turn-up time (s) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 701.5                 | 707.5                    | 713.5                  |                  |          |  |                  |          |  |
| 5               | QPSK       | 1       | 0         | 22.68                 | 22.95                    | 22.75                  | 24               | 0        |  |                  |          |  |
| 5               | QPSK       | 1       | 12        | 22.66                 | 22.98                    | 22.62                  |                  |          |  |                  |          |  |
| 5               | QPSK       | 1       | 49        | 22.48                 | 22.91                    | 22.63                  |                  |          |  |                  |          |  |
| 5               | QPSK       | 12      | 0         | 21.71                 | 22.04                    | 22.02                  |                  |          |  |                  |          |  |
| 5               | QPSK       | 12      | 7         | 21.85                 | 21.68                    | 21.96                  | 23               | 1        |  |                  |          |  |
| 5               | QPSK       | 12      | 13        | 21.80                 | 21.82                    | 21.84                  |                  |          |  |                  |          |  |
| 5               | QPSK       | 25      | 0         | 21.98                 | 21.91                    | 21.83                  |                  |          |  |                  |          |  |
| 5               | 16QAM      | 1       | 0         | 22.09                 | 21.88                    | 21.95                  |                  |          |  |                  |          |  |
| 5               | 16QAM      | 1       | 12        | 21.70                 | 21.93                    | 21.94                  | 23               | 1        |  |                  |          |  |
| 5               | 16QAM      | 1       | 24        | 21.70                 | 21.82                    | 21.80                  |                  |          |  |                  |          |  |
| 5               | 16QAM      | 1       | 25        | 20.59                 | 20.80                    | 20.86                  |                  |          |  |                  |          |  |
| 5               | 16QAM      | 12      | 7         | 20.80                 | 20.50                    | 20.80                  |                  |          |  |                  |          |  |
| 5               | 16QAM      | 12      | 13        | 20.53                 | 20.78                    | 20.47                  | 22               | 2        |  |                  |          |  |
| 5               | 16QAM      | 25      | 0         | 20.64                 | 20.65                    | 20.81                  |                  |          |  |                  |          |  |
| 5               | 64QAM      | 1       | 24        | 20.47                 | 20.48                    | 20.70                  |                  |          |  |                  |          |  |
| 5               | 64QAM      | 12      | 0         | 19.75                 | 19.57                    | 19.62                  |                  |          |  |                  |          |  |
| 5               | 64QAM      | 1       | 7         | 19.86                 | 19.50                    | 19.77                  | 22               | 2        |  |                  |          |  |
| 5               | 64QAM      | 1       | 12        | 20.53                 | 20.59                    | 20.27                  |                  |          |  |                  |          |  |
| 5               | 64QAM      | 1       | 24        | 20.47                 | 20.48                    | 20.70                  |                  |          |  |                  |          |  |
| 5               | 64QAM      | 12      | 0         | 19.75                 | 19.57                    | 19.62                  |                  |          |  |                  |          |  |
| 5               | 64QAM      | 12      | 13        | 19.86                 | 19.50                    | 19.77                  | 21               | 3        |  |                  |          |  |
| 5               | 64QAM      | 25      | 0         | 19.91                 | 19.70                    | 19.65                  |                  |          |  |                  |          |  |
| 5               | 25QAM      | 1       | 0         | 17.55                 | 17.86                    | 17.75                  |                  |          |  |                  |          |  |
| 5               | 25QAM      | 1       | 12        | 17.58                 | 17.78                    | 17.87                  |                  |          |  |                  |          |  |
| 5               | 25QAM      | 1       | 24        | 17.87                 | 17.72                    | 17.55                  | 19               | 5        |  |                  |          |  |
| 5               | 25QAM      | 12      | 0         | 17.61                 | 17.52                    | 17.61                  |                  |          |  |                  |          |  |
| 5               | 25QAM      | 12      | 7         | 17.54                 | 17.66                    | 17.71                  |                  |          |  |                  |          |  |
| 5               | 25QAM      | 12      | 13        | 17.50                 | 17.70                    | 17.79                  |                  |          |  |                  |          |  |
| 5               | 25QAM      | 25      | 0         | 17.54                 | 17.74                    | 17.74                  | 19               | 5        |  |                  |          |  |
| Channel         |            |         |           | 23025                 | 23095                    | 23195                  |                  |          |  | Turn-up time (s) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 700.5                 | 707.5                    | 714.5                  |                  |          |  |                  |          |  |
| 3               | QPSK       | 1       | 0         | 22.74                 | 22.94                    | 22.61                  |                  |          |  | 24               | 0        |  |
| 3               | QPSK       | 1       | 12        | 22.55                 | 22.76                    | 22.63                  |                  |          |  |                  |          |  |
| 3               | QPSK       | 1       | 14        | 22.64                 | 22.69                    | 22.64                  |                  |          |  |                  |          |  |
| 3               | QPSK       | 8       | 0         | 21.79                 | 22.01                    | 21.88                  |                  |          |  |                  |          |  |
| 3               | QPSK       | 8       | 4         | 21.89                 | 21.79                    | 21.81                  | 23               | 1        |  |                  |          |  |
| 3               | QPSK       | 8       | 7         | 21.95                 | 21.85                    | 22.01                  |                  |          |  |                  |          |  |
| 3               | QPSK       | 15      | 0         | 21.85                 | 21.84                    | 21.82                  |                  |          |  |                  |          |  |
| 3               | 16QAM      | 1       | 0         | 21.93                 | 21.87                    | 21.93                  |                  |          |  |                  |          |  |
| 3               | 16QAM      | 1       | 8         | 21.87                 | 21.88                    | 21.97                  | 23               | 1        |  |                  |          |  |
| 3               | 16QAM      | 1       | 14        | 21.86                 | 21.91                    | 21.68                  |                  |          |  |                  |          |  |
| 3               | 16QAM      | 1       | 20        | 20.81                 | 20.98                    | 20.65                  |                  |          |  |                  |          |  |
| 3               | 16QAM      | 8       | 4         | 20.80                 | 20.67                    | 20.80                  |                  |          |  |                  |          |  |
| 3               | 16QAM      | 15      | 0         | 20.72                 | 20.66                    | 20.86                  | 22               | 2        |  |                  |          |  |
| 3               | 16QAM      | 1       | 20        | 20.56                 | 20.47                    | 20.77                  |                  |          |  |                  |          |  |
| 3               | 64QAM      | 1       | 8         | 20.71                 | 20.69                    | 20.59                  |                  |          |  |                  |          |  |
| 3               | 64QAM      | 1       | 14        | 20.52                 | 20.60                    | 20.61                  |                  |          |  |                  |          |  |
| 3               | 64QAM      | 8       | 0         | 19.74                 | 19.53                    | 19.75                  | 21               | 3        |  |                  |          |  |
| 3               | 64QAM      | 4       | 4         | 19.79                 | 19.57                    | 19.73                  |                  |          |  |                  |          |  |
| 3               | 64QAM      | 8       | 7         | 19.84                 | 19.78                    | 19.59                  |                  |          |  |                  |          |  |
| 3               | 64QAM      | 15      | 0         | 19.76                 | 19.86                    | 18.72                  |                  |          |  |                  |          |  |
| 3               | 25QAM      | 1       | 0         | 17.70                 | 17.76                    | 17.79                  | 19               | 5        |  |                  |          |  |
| 3               | 25QAM      | 1       | 8         | 17.69                 | 17.77                    | 17.59                  |                  |          |  |                  |          |  |
| 3               | 25QAM      | 1       | 14        | 17.76                 | 17.61                    | 17.59                  |                  |          |  |                  |          |  |
| 3               | 25QAM      | 8       | 0         | 17.63                 | 17.57                    | 17.78                  |                  |          |  |                  |          |  |
| 3               | 25QAM      | 8       | 4         | 17.45                 | 17.72                    | 17.51                  | 19               | 5        |  |                  |          |  |
| 3               | 25QAM      | 8       | 7         | 17.56                 | 17.60                    | 17.77                  |                  |          |  |                  |          |  |
| 3               | 25QAM      | 15      | 0         | 17.59                 | 17.68                    | 17.76                  |                  |          |  |                  |          |  |
| Channel         |            |         |           | 23017                 | 23095                    | 23173                  |                  |          |  | Turn-up time (s) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 699.7                 | 707.5                    | 715.3                  |                  |          |  |                  |          |  |
| 1.4             | QPSK       | 1       | 0         | 22.77                 | 22.93                    | 22.81                  | 24               | 0        |  |                  |          |  |
| 1.4             | QPSK       | 1       | 22        | 22.44                 | 22.22                    | 22.25                  |                  |          |  |                  |          |  |
| 1.4             | QPSK       | 1       | 5         | 22.63                 | 22.83                    | 22.71                  |                  |          |  |                  |          |  |
| 1.4             | QPSK       | 3       | 1         | 22.45                 | 22.68                    | 22.75                  |                  |          |  |                  |          |  |
| 1.4             | QPSK       | 3       | 1         | 22.50                 | 22.62                    | 22.65                  | 23               | 1        |  |                  |          |  |
| 1.4             | QPSK       | 6       | 0         | 21.92                 | 21.84                    | 21.69                  |                  |          |  |                  |          |  |
| 1.4             | 16QAM      | 1       | 0         | 21.89                 | 21.79                    | 21.82                  |                  |          |  |                  |          |  |
| 1.4             | 16QAM      | 1       | 3         | 21.84                 | 21.77                    | 21.78                  |                  |          |  |                  |          |  |
| 1.4             | 16QAM      | 3       | 1         | 21.87                 | 21.77                    | 21.78                  | 23               | 1        |  |                  |          |  |
| 1.4             | 16QAM      | 3       | 0         | 21.73                 | 21.84                    | 21.80                  |                  |          |  |                  |          |  |
| 1.4             | 16QAM      | 3       | 1         | 21.84                 | 21.66                    | 21.89                  |                  |          |  |                  |          |  |
| 1.4             | 16QAM      | 3       | 3         | 21.82                 | 21.93                    | 21.74                  |                  |          |  |                  |          |  |
| 1.4             | 64QAM      | 3       | 0         | 20.69                 | 20.63                    | 20.71                  | 22               | 2        |  |                  |          |  |
| 1.4             | 64QAM      | 3       | 0         | 20.44                 | 20.47                    | 20.79                  |                  |          |  |                  |          |  |
| 1.4             | 64QAM      | 3       | 3         | 20.64                 | 20.59                    | 20.59                  |                  |          |  |                  |          |  |
| 1.4             | 64QAM      | 1       | 5         | 20.43                 | 20.44                    | 20.77                  |                  |          |  |                  |          |  |
| 1.4             | 64QAM      | 3       | 0         | 20.71                 | 20.32                    | 20.78                  | 22               | 2        |  |                  |          |  |
| 1.4             | 64QAM      | 3       | 0         | 20.58                 | 20.77                    | 20.48                  |                  |          |  |                  |          |  |
| 1.4             | 64QAM      | 3       | 3         | 20.65                 | 20.71                    | 20.85                  |                  |          |  |                  |          |  |
| 1.4             | 64QAM      | 6       | 0         | 19.74                 | 19.69                    | 19.57                  |                  |          |  |                  |          |  |
| 1.4             | 25QAM      | 1       | 0         | 17.60                 | 17.89                    | 17.62                  | 21               | 3        |  |                  |          |  |
| 1.4             | 25QAM      | 1       | 3         | 17.68                 | 17.77                    | 17.72                  |                  |          |  |                  |          |  |
| 1.4             | 25QAM      | 3       | 0         | 17.88                 | 17.79                    | 17.50                  |                  |          |  |                  |          |  |
| 1.4             | 25QAM      | 3       | 0         | 17.57                 | 17.55                    | 17.66                  |                  |          |  |                  |          |  |
| 1.4             | 25QAM      | 3       | 1         | 17.64                 | 17.60                    | 17.66                  | 19               | 5        |  |                  |          |  |
| 1.4             | 25QAM      | 3       | 1         | 17.53                 | 17.76                    | 17.65                  |                  |          |  |                  |          |  |
| 1.4             | 25QAM      | 6       | 0         | 17.57                 | 17.65                    | 17.68                  |                  |          |  |                  |          |  |
| 1.4             | 25QAM      | 6       | 0         | 17.57                 | 17.65                    | 17.68                  |                  |          |  |                  |          |  |

| Band 17 Ant 0   |            |         |           |                             |                                |                              |                                  |                    |       |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|----------------------------------|--------------------|-------|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 23700 | Power Middle Ch. / Freq. 23760 | Power High Ch. / Freq. 23800 | Tune-up limit (dBm)              | MPR (dB)           |       |
| Channel         |            |         |           |                             |                                |                              |                                  |                    |       |
| Frequency (MHz) |            |         |           |                             |                                |                              |                                  |                    |       |
| 10              | QPSK       | 1       | 0         | 22.82                       | 22.85                          | 22.77                        | 24                               | 0                  |       |
| 10              | QPSK       | 1       | 25        | 22.70                       | 22.78                          | 22.65                        |                                  |                    |       |
| 10              | QPSK       | 1       | 49        | 22.66                       | 22.78                          | 22.58                        |                                  |                    |       |
| 10              | QPSK       | 25      | 0         | 21.75                       | 21.93                          | 21.78                        |                                  |                    |       |
| 10              | QPSK       | 25      | 12        | 21.78                       | 21.88                          | 21.92                        | 23                               | 1                  |       |
| 10              | QPSK       | 25      | 25        | 21.76                       | 21.80                          | 21.87                        |                                  |                    |       |
| 10              | QPSK       | 56      | 0         | 21.83                       | 21.90                          | 21.88                        |                                  |                    |       |
| 10              | 16QAM      | 1       | 0         | 21.82                       | 21.94                          | 21.73                        |                                  |                    |       |
| 10              | 16QAM      | 1       | 25        | 21.83                       | 21.92                          | 21.86                        | 23                               | 1                  |       |
| 10              | 16QAM      | 1       | 49        | 21.94                       | 21.89                          | 21.81                        |                                  |                    |       |
| 10              | 16QAM      | 25      | 0         | 20.76                       | 20.87                          | 20.74                        |                                  |                    |       |
| 10              | 16QAM      | 25      | 12        | 20.80                       | 20.80                          | 20.84                        |                                  |                    |       |
| 10              | 16QAM      | 25      | 25        | 20.77                       | 20.75                          | 20.87                        | 22                               | 2                  |       |
| 10              | 16QAM      | 50      | 0         | 20.82                       | 20.67                          | 20.84                        |                                  |                    |       |
| 10              | 64QAM      | 1       | 0         | 20.76                       | 20.77                          | 20.81                        |                                  |                    |       |
| 10              | 64QAM      | 1       | 25        | 20.73                       | 20.75                          | 20.89                        |                                  |                    |       |
| 10              | 64QAM      | 1       | 49        | 20.89                       | 20.79                          | 20.86                        | 22                               | 2                  |       |
| 10              | 64QAM      | 25      | 0         | 19.91                       | 19.81                          | 19.91                        |                                  |                    |       |
| 10              | 64QAM      | 25      | 12        | 19.72                       | 19.86                          | 19.75                        |                                  |                    |       |
| 10              | 64QAM      | 25      | 25        | 19.81                       | 19.81                          | 19.91                        |                                  |                    |       |
| 10              | 64QAM      | 50      | 0         | 19.62                       | 19.71                          | 19.92                        | 21                               | 3                  |       |
| 10              | 256QAM     | 1       | 0         | 17.88                       | 17.82                          | 17.87                        |                                  |                    |       |
| 10              | 256QAM     | 1       | 25        | 17.83                       | 17.98                          | 17.88                        |                                  |                    |       |
| 10              | 256QAM     | 1       | 49        | 17.82                       | 17.86                          | 17.88                        |                                  |                    |       |
| 10              | 256QAM     | 25      | 0         | 17.82                       | 17.83                          | 17.74                        | 19                               | 5                  |       |
| 10              | 256QAM     | 25      | 12        | 17.96                       | 17.84                          | 17.81                        |                                  |                    |       |
| 10              | 256QAM     | 25      | 25        | 17.89                       | 17.84                          | 17.84                        |                                  |                    |       |
| 10              | 256QAM     | 50      | 0         | 17.87                       | 17.82                          | 17.96                        |                                  |                    |       |
| Channel         |            |         |           |                             |                                |                              |                                  |                    |       |
| Frequency (MHz) |            |         |           |                             |                                |                              | 706.5 <th>710<th>713.5</th></th> | 710 <th>713.5</th> | 713.5 |
| 5               | QPSK       | 1       | 0         | 22.70                       | 22.72                          | 22.55                        | 24                               | 0                  |       |
| 5               | QPSK       | 1       | 12        | 22.62                       | 22.75                          | 22.45                        |                                  |                    |       |
| 5               | QPSK       | 1       | 24        | 22.65                       | 22.58                          | 22.50                        |                                  |                    |       |
| 5               | QPSK       | 12      | 0         | 21.62                       | 21.86                          | 21.65                        |                                  |                    |       |
| 5               | QPSK       | 12      | 7         | 21.73                       | 21.72                          | 21.89                        | 23                               | 1                  |       |
| 5               | QPSK       | 12      | 13        | 21.77                       | 21.74                          | 21.67                        |                                  |                    |       |
| 5               | QPSK       | 25      | 0         | 21.64                       | 21.75                          | 21.67                        |                                  |                    |       |
| 5               | 16QAM      | 1       | 0         | 21.62                       | 21.62                          | 21.58                        |                                  |                    |       |
| 5               | 16QAM      | 1       | 12        | 21.64                       | 21.62                          | 21.56                        | 23                               | 1                  |       |
| 5               | 16QAM      | 1       | 24        | 20.87                       | 20.73                          | 20.70                        |                                  |                    |       |
| 5               | 16QAM      | 1       | 24        | 21.77                       | 21.76                          | 21.82                        |                                  |                    |       |
| 5               | 16QAM      | 12      | 0         | 20.76                       | 20.89                          | 20.55                        |                                  |                    |       |
| 5               | 16QAM      | 12      | 7         | 20.67                       | 20.75                          | 20.57                        | 22                               | 2                  |       |
| 5               | 16QAM      | 12      | 13        | 20.94                       | 20.70                          | 20.75                        |                                  |                    |       |
| 5               | 16QAM      | 25      | 0         | 20.81                       | 20.69                          | 20.74                        |                                  |                    |       |
| 5               | 64QAM      | 1       | 0         | 20.63                       | 20.78                          | 20.72                        |                                  |                    |       |
| 5               | 64QAM      | 1       | 12        | 20.51                       | 20.75                          | 20.87                        | 22                               | 2                  |       |
| 5               | 64QAM      | 1       | 24        | 20.67                       | 20.73                          | 20.70                        |                                  |                    |       |
| 5               | 64QAM      | 12      | 0         | 19.89                       | 19.77                          | 19.84                        |                                  |                    |       |
| 5               | 64QAM      | 12      | 7         | 19.70                       | 19.79                          | 19.58                        |                                  |                    |       |
| 5               | 64QAM      | 12      | 13        | 19.85                       | 19.77                          | 19.81                        | 21                               | 3                  |       |
| 5               | 64QAM      | 25      | 0         | 19.62                       | 19.53                          | 19.88                        |                                  |                    |       |
| 5               | 256QAM     | 1       | 0         | 17.89                       | 17.73                          | 17.84                        |                                  |                    |       |
| 5               | 256QAM     | 1       | 12        | 17.71                       | 17.83                          | 17.87                        |                                  |                    |       |
| 5               | 256QAM     | 1       | 24        | 17.82                       | 17.62                          | 17.88                        | 19                               | 5                  |       |
| 5               | 256QAM     | 12      | 0         | 17.76                       | 17.80                          | 17.80                        |                                  |                    |       |
| 5               | 256QAM     | 12      | 7         | 17.92                       | 17.70                          | 17.81                        |                                  |                    |       |
| 5               | 256QAM     | 12      | 13        | 17.73                       | 17.82                          | 17.79                        |                                  |                    |       |
| 5               | 256QAM     | 25      | 0         | 17.74                       | 17.76                          | 17.93                        |                                  |                    |       |

| Band 26 Ant 0   |            |         |           |                       |                          |                        |                              |          |  |                              |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|------------------------------|----------|--|------------------------------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm)          | MPR (dB) |  |                              |  |
| Channel         |            |         |           | 821.5                 | 831.5                    | 841.5                  |                              |          |  |                              |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                              |          |  |                              |  |
| 15              | QPSK       | 1       | 0         | 22.85                 | 23.05                    | 22.88                  | 24                           | 0        |  |                              |  |
| 15              | QPSK       | 1       | 37        | 22.84                 | 22.75                    | 22.78                  |                              |          |  |                              |  |
| 15              | QPSK       | 1       | 74        | 22.78                 | 22.91                    | 22.68                  |                              |          |  |                              |  |
| 15              | QPSK       | 36      | 0         | 21.85                 | 21.95                    | 21.81                  |                              |          |  |                              |  |
| 15              | QPSK       | 36      | 20        | 21.81                 | 21.83                    | 21.75                  | 23                           | 1        |  |                              |  |
| 15              | QPSK       | 36      | 39        | 21.84                 | 21.85                    | 21.80                  |                              |          |  |                              |  |
| 15              | QPSK       | 75      | 0         | 21.71                 | 21.81                    | 21.80                  |                              |          |  |                              |  |
| 15              | 16QAM      | 1       | 0         | 21.73                 | 21.72                    | 21.76                  |                              |          |  |                              |  |
| 15              | 16QAM      | 1       | 37        | 21.76                 | 21.78                    | 21.76                  | 23                           | 1        |  |                              |  |
| 15              | 16QAM      | 1       | 74        | 21.78                 | 21.90                    | 21.92                  |                              |          |  |                              |  |
| 15              | 16QAM      | 36      | 0         | 20.84                 | 20.79                    | 20.79                  |                              |          |  |                              |  |
| 15              | 16QAM      | 36      | 20        | 20.84                 | 20.92                    | 20.84                  |                              |          |  |                              |  |
| 15              | 16QAM      | 36      | 39        | 20.86                 | 20.98                    | 20.81                  | 22                           | 2        |  |                              |  |
| 15              | 16QAM      | 75      | 0         | 21.00                 | 20.93                    | 20.97                  |                              |          |  |                              |  |
| 15              | 64QAM      | 1       | 0         | 20.88                 | 20.87                    | 20.81                  |                              |          |  |                              |  |
| 15              | 64QAM      | 1       | 37        | 20.91                 | 20.76                    | 20.89                  |                              |          |  |                              |  |
| 15              | 64QAM      | 1       | 74        | 20.82                 | 20.79                    | 20.88                  | 22                           | 2        |  |                              |  |
| 15              | 64QAM      | 36      | 0         | 19.87                 | 19.85                    | 19.88                  |                              |          |  |                              |  |
| 15              | 64QAM      | 36      | 20        | 20.01                 | 19.98                    | 19.90                  |                              |          |  |                              |  |
| 15              | 64QAM      | 36      | 39        | 19.93                 | 19.82                    | 19.97                  |                              |          |  |                              |  |
| 15              | 64QAM      | 75      | 0         | 19.86                 | 20.00                    | 19.89                  | 21                           | 3        |  |                              |  |
| 15              | 256QAM     | 1       | 0         | 17.73                 | 17.73                    | 17.87                  |                              |          |  |                              |  |
| 15              | 256QAM     | 1       | 37        | 17.71                 | 17.84                    | 17.92                  |                              |          |  |                              |  |
| 15              | 256QAM     | 1       | 74        | 17.82                 | 17.90                    | 17.84                  |                              |          |  |                              |  |
| 15              | 256QAM     | 36      | 0         | 17.75                 | 17.69                    | 17.79                  | 19                           | 5        |  |                              |  |
| 15              | 256QAM     | 36      | 20        | 17.88                 | 17.71                    | 17.78                  |                              |          |  |                              |  |
| 15              | 256QAM     | 36      | 39        | 17.83                 | 17.87                    | 17.93                  |                              |          |  |                              |  |
| 15              | 256QAM     | 75      | 0         | 17.84                 | 17.78                    | 17.81                  |                              |          |  |                              |  |
| Channel         |            |         |           | 26740                 | 26865                    | 26960                  | Tune-up limit (dBm) MPR (dB) |          |  |                              |  |
| Frequency (MHz) |            |         |           | 816                   | 831.5                    | 846.5                  |                              |          |  |                              |  |
| 10              | QPSK       | 1       | 0         | 22.71                 | 22.88                    | 22.73                  | 24                           | 0        |  |                              |  |
| 10              | QPSK       | 1       | 25        | 22.78                 | 22.65                    | 22.56                  |                              |          |  |                              |  |
| 10              | QPSK       | 1       | 49        | 22.62                 | 22.75                    | 22.68                  |                              |          |  |                              |  |
| 10              | QPSK       | 25      | 0         | 21.69                 | 21.81                    | 21.61                  |                              |          |  |                              |  |
| 10              | QPSK       | 25      | 12        | 21.77                 | 21.79                    | 21.75                  | 23                           | 1        |  |                              |  |
| 10              | QPSK       | 25      | 25        | 21.78                 | 21.79                    | 21.69                  |                              |          |  |                              |  |
| 10              | QPSK       | 50      | 0         | 21.68                 | 21.60                    | 21.66                  |                              |          |  |                              |  |
| 10              | 16QAM      | 1       | 0         | 21.70                 | 21.71                    | 21.66                  |                              |          |  |                              |  |
| 10              | 16QAM      | 1       | 25        | 21.75                 | 21.58                    | 21.75                  | 23                           | 1        |  |                              |  |
| 10              | 16QAM      | 1       | 49        | 21.59                 | 21.81                    | 21.74                  |                              |          |  |                              |  |
| 10              | 16QAM      | 25      | 0         | 20.77                 | 20.80                    | 20.58                  |                              |          |  |                              |  |
| 10              | 16QAM      | 25      | 12        | 20.71                 | 20.89                    | 20.72                  |                              |          |  |                              |  |
| 10              | 16QAM      | 25      | 25        | 20.78                 | 20.85                    | 20.85                  | 22                           | 2        |  |                              |  |
| 10              | 16QAM      | 50      | 0         | 20.81                 | 20.78                    | 20.79                  |                              |          |  |                              |  |
| 10              | 64QAM      | 1       | 0         | 20.86                 | 20.70                    | 20.73                  |                              |          |  |                              |  |
| 10              | 64QAM      | 1       | 25        | 20.79                 | 20.65                    | 20.76                  |                              |          |  |                              |  |
| 10              | 64QAM      | 1       | 49        | 20.62                 | 20.69                    | 20.74                  | 22                           | 2        |  |                              |  |
| 10              | 64QAM      | 25      | 0         | 19.82                 | 19.85                    | 19.68                  |                              |          |  |                              |  |
| 10              | 64QAM      | 25      | 12        | 19.98                 | 19.97                    | 19.88                  |                              |          |  |                              |  |
| 10              | 64QAM      | 25      | 25        | 19.94                 | 19.62                    | 19.79                  |                              |          |  |                              |  |
| 10              | 64QAM      | 50      | 0         | 19.80                 | 19.96                    | 19.78                  | 21                           | 3        |  |                              |  |
| 10              | 256QAM     | 1       | 0         | 17.58                 | 17.58                    | 17.87                  |                              |          |  |                              |  |
| 10              | 256QAM     | 1       | 25        | 17.54                 | 17.84                    | 17.94                  |                              |          |  |                              |  |
| 10              | 256QAM     | 1       | 49        | 17.71                 | 17.86                    | 17.80                  |                              |          |  |                              |  |
| 10              | 256QAM     | 25      | 0         | 17.65                 | 17.57                    | 17.70                  | 19                           | 5        |  |                              |  |
| 10              | 256QAM     | 25      | 12        | 17.66                 | 17.52                    | 17.68                  |                              |          |  |                              |  |
| 10              | 256QAM     | 25      | 25        | 17.70                 | 17.65                    | 17.91                  |                              |          |  |                              |  |
| 10              | 256QAM     | 50      | 0         | 17.80                 | 17.74                    | 17.76                  |                              |          |  |                              |  |
| Channel         |            |         |           | 26715                 | 26865                    | 27015                  | Tune-up limit (dBm) MPR (dB) |          |  |                              |  |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  |                              |          |  |                              |  |
| 5               | QPSK       | 1       | 0         | 22.78                 | 22.74                    | 22.77                  | 24                           | 0        |  |                              |  |
| 5               | QPSK       | 1       | 12        | 22.80                 | 22.56                    | 22.69                  |                              |          |  |                              |  |
| 5               | QPSK       | 1       | 24        | 22.72                 | 22.70                    | 22.66                  |                              |          |  |                              |  |
| 5               | QPSK       | 12      | 0         | 21.80                 | 21.75                    | 21.64                  |                              |          |  |                              |  |
| 5               | QPSK       | 12      | 7         | 21.76                 | 21.65                    | 21.62                  | 23                           | 1        |  |                              |  |
| 5               | QPSK       | 12      | 13        | 21.67                 | 21.87                    | 21.79                  |                              |          |  |                              |  |
| 5               | QPSK       | 25      | 0         | 21.63                 | 21.60                    | 21.65                  |                              |          |  |                              |  |
| 5               | QPSK       | 25      | 0         | 21.64                 | 21.53                    | 21.66                  |                              |          |  |                              |  |
| 5               | 16QAM      | 1       | 0         | 21.66                 | 21.76                    | 21.76                  | 23                           | 1        |  |                              |  |
| 5               | 16QAM      | 1       | 24        | 21.60                 | 21.75                    | 21.82                  |                              |          |  |                              |  |
| 5               | 16QAM      | 12      | 7         | 20.79                 | 20.74                    | 20.75                  |                              |          |  |                              |  |
| 5               | 16QAM      | 12      | 7         | 20.85                 | 20.67                    | 20.68                  |                              |          |  |                              |  |
| 5               | 16QAM      | 12      | 13        | 20.81                 | 20.68                    | 20.69                  | 22                           | 2        |  |                              |  |
| 5               | 16QAM      | 25      | 0         | 20.98                 | 20.78                    | 20.79                  |                              |          |  |                              |  |
| 5               | 64QAM      | 1       | 0         | 20.83                 | 20.85                    | 20.84                  |                              |          |  |                              |  |
| 5               | 64QAM      | 1       | 12        | 20.83                 | 20.71                    | 20.85                  |                              |          |  |                              |  |
| 5               | 64QAM      | 1       | 24        | 20.61                 | 20.62                    | 20.70                  | 22                           | 2        |  |                              |  |
| 5               | 64QAM      | 12      | 0         | 19.86                 | 19.87                    | 19.86                  |                              |          |  |                              |  |
| 5               | 64QAM      | 12      | 7         | 19.89                 | 19.95                    | 19.86                  |                              |          |  |                              |  |
| 5               | 64QAM      | 12      | 13        | 19.89                 | 19.80                    | 19.87                  |                              |          |  |                              |  |
| 5               | 16QAM      | 25      | 0         | 19.69                 | 19.86                    | 19.73                  | 21                           | 3        |  |                              |  |
| 5               | 16QAM      | 25      | 0         | 17.63                 | 17.61                    | 17.63                  |                              |          |  |                              |  |
| 5               | 256QAM     | 1       | 12        | 17.71                 | 17.85                    | 17.83                  |                              |          |  |                              |  |
| 5               | 256QAM     | 1       | 24        | 17.91                 | 17.87                    | 17.81                  |                              |          |  |                              |  |
| 5               | 256QAM     | 12      | 0         | 17.62                 | 17.83                    | 17.81                  | 19                           |          |  | 5                            |  |
| 5               | 256QAM     | 12      | 7         | 17.83                 | 17.50                    | 17.57                  |                              |          |  |                              |  |
| 5               | 256QAM     | 12      | 13        | 17.62                 | 17.76                    | 17.87                  |                              |          |  |                              |  |
| 5               | 256QAM     | 25      | 0         | 17.74                 | 17.77                    | 17.76                  |                              |          |  |                              |  |
| Channel         |            |         |           | 26705                 | 26865                    | 27025                  | Tune-up limit (dBm) MPR (dB) |          |  |                              |  |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  |                              |          |  |                              |  |
| 3               | QPSK       | 1       | 0         | 22.84                 | 22.77                    | 22.78                  | 24                           | 0        |  |                              |  |
| 3               | QPSK       | 1       | 8         | 22.84                 | 22.72                    | 22.47                  |                              |          |  |                              |  |
| 3               | QPSK       | 1       | 14        | 22.76                 | 22.73                    | 22.72                  |                              |          |  |                              |  |
| 3               | QPSK       | 8       | 0         | 21.75                 | 21.93                    | 21.64                  |                              |          |  |                              |  |
| 3               | QPSK       | 8       | 0         | 21.7                  | 21.79                    | 21.69                  | 23                           | 1        |  |                              |  |
| 3               | QPSK       | 8       | 7         | 21.62                 | 21.82                    | 21.63                  |                              |          |  |                              |  |
| 3               | QPSK       | 15      | 0         | 21.64                 | 21.72                    | 21.69                  |                              |          |  |                              |  |
| 3               | 16QAM      | 1       | 0         | 21.57                 | 21.52                    | 21.57                  |                              |          |  |                              |  |
| 3               | 16QAM      | 1       | 0         | 21.66                 | 21.68                    | 21.75                  | 22                           | 2        |  |                              |  |
| 3               | 16QAM      | 1       | 14        | 21.64                 | 21.85                    | 21.93                  |                              |          |  |                              |  |
| 3               | 16QAM      | 8       | 0         | 20.70                 | 20.72                    | 20.79                  |                              |          |  |                              |  |
| 3               | 16QAM      | 8       | 4         | 20.65                 | 20.75                    | 20.62                  |                              |          |  |                              |  |
| 3               | 16QAM      | 7       | 7         | 20.85                 | 20.78                    | 20.76                  | 21                           | 2        |  |                              |  |
| 3               | 64QAM      | 1       | 0         | 20.93                 | 20.67                    | 20.60                  |                              |          |  |                              |  |
| 3               | 64QAM      | 1       | 8         | 20.93                 | 20.58                    | 20.77                  |                              |          |  |                              |  |
| 3               | 64QAM      | 1       | 14        | 20.81                 | 20.78                    | 20.73                  |                              |          |  |                              |  |
| 3               | 64QAM      | 8       | 0         | 19.82                 | 19.86                    | 19.88                  | 21                           | 3        |  |                              |  |
| 3               | 64QAM      | 8       | 4         | 19.97                 | 19.79                    | 19.89                  |                              |          |  |                              |  |
| 3               | 64QAM      | 8       | 7         | 19.89                 | 19.67                    | 19.79                  |                              |          |  |                              |  |
| 3               | 64QAM      | 15      | 0         | 19.69                 | 19.83                    | 19.84                  |                              |          |  |                              |  |
| 3               | 256QAM     | 1       | 0         | 17.70                 | 17.69                    | 17.86                  | 19                           |          |  | 5                            |  |
| 3               | 256QAM     | 1       | 17        | 17.71                 | 17.81                    | 17.78                  |                              |          |  |                              |  |
| 3               | 256QAM     | 1       | 14        | 17.75                 | 17.88                    | 17.71                  |                              |          |  |                              |  |
| 3               | 256QAM     | 8       | 0         | 17.77                 | 17.69                    | 17.81                  |                              |          |  |                              |  |
| 3               | 256QAM     | 8       | 4         | 17.84                 | 17.62                    | 17.85                  | 19                           | 5        |  |                              |  |
| 3               | 256QAM     | 8       | 7         | 17.83                 | 17.62                    | 17.86                  |                              |          |  |                              |  |
| 3               | 256QAM     | 15      | 0         | 17.75                 | 17.73                    | 17.65                  |                              |          |  |                              |  |
| Channel         |            |         |           | 26697                 | 26765                    | 27033                  |                              |          |  | Tune-up limit (dBm) MPR (dB) |  |
| Frequency (MHz) |            |         |           | 814.7                 | 831.5                    | 848.3                  |                              |          |  |                              |  |
| 1.4             | QPSK       | 1       | 0         | 22.67                 | 22.85                    | 22.82                  | 24                           |          |  | 0                            |  |
| 1.4             | QPSK       | 1       | 2         | 22.66                 | 22.82                    | 22.52                  |                              |          |  |                              |  |
| 1.4             | QPSK       | 1       | 5         | 22.61                 | 22.90                    | 22.64                  |                              |          |  |                              |  |
| 1.4             | QPSK       | 3       | 0         | 22.64                 | 22.92                    | 22.90                  |                              |          |  |                              |  |
| 1.4             | QPSK       | 3       | 0         | 22.81                 | 22.64                    | 22.62                  | 23                           | 0        |  |                              |  |
| 1.4             | QPSK       | 3       | 3         | 22.57                 | 22.81                    | 22.83                  |                              |          |  |                              |  |
| 1.4             | QPSK       | 6       | 0         | 21.70                 | 21.71                    | 21.62                  |                              |          |  |                              |  |
| 1.4             | 16QAM      | 1       | 0         | 21.64                 | 21.72                    | 21.72                  |                              |          |  |                              |  |
| 1.4             | 16QAM      | 1       | 3         | 21.69                 | 21.70                    | 21.60                  | 23                           | 1        |  |                              |  |
| 1.4             | 16QAM      | 1       | 3         | 21.7                  | 21.68                    | 21.72                  |                              |          |  |                              |  |
| 1.4             | 16QAM      | 3       | 0         | 21.54                 | 21.65                    | 21.60                  |                              |          |  |                              |  |
| 1.4             | 16QAM      | 3       | 1         | 21.74                 | 21.50                    | 21.63                  |                              |          |  |                              |  |
| 1.4             | 16QAM      | 3       | 3         | 21.69                 | 21.59                    | 21.66                  | 22                           | 2        |  |                              |  |
| 1.4             | 16QAM      | 6       | 0         | 20.80                 | 20.60                    | 20.77                  |                              |          |  |                              |  |
| 1.4             | 64QAM      | 1       | 3         | 20.74                 | 20.60                    | 20.72                  |                              |          |  |                              |  |
| 1.4             | 64QAM      | 1       | 5         | 20.75                 | 20.70                    | 20.78                  |                              |          |  |                              |  |
| 1.4             | 64QAM      | 3       | 0         | 20.63                 | 20.67                    | 20.80                  | 21                           | 3        |  |                              |  |
| 1.4             | 64QAM      | 3       | 3         | 20.8                  | 20.71                    | 20.78                  |                              |          |  |                              |  |
| 1.4             | 64QAM      | 6       | 0         | 19.85                 | 19.90                    | 19.84                  |                              |          |  |                              |  |
| 1.4             | 256QAM     | 1       | 0         | 17.62                 | 17.72                    | 17.68                  |                              |          |  |                              |  |
| 1.4             | 256QAM     | 1       | 3         | 17.6                  | 17.68                    | 17.78                  | 19                           |          |  | 5                            |  |
| 1.4             | 256QAM     | 1       | 5         | 17.73                 | 17.88                    | 17.85                  |                              |          |  |                              |  |
| 1.4             | 256QAM     | 3       | 0         | 17.69                 | 17.57                    | 17.78                  |                              |          |  |                              |  |
| 1.4             | 256QAM     | 3       | 1         | 17.67                 | 17.60                    | 17.58                  |                              |          |  |                              |  |
| 1.4             | 256QAM     | 3       | 3         | 17.72                 | 17.72                    | 17.72                  | 19                           | 5        |  |                              |  |
| 1.4             | 256QAM     | 6       | 0         | 17.72                 | 17.78                    | 17.76                  |                              |          |  |                              |  |

| GSM1900 Ant.1   |  | Burst Average Power (dbm) |       |        | Tune-up |  | Frame-Average Power (dbm) |       |        | Tune-up |  |
|-----------------|--|---------------------------|-------|--------|---------|--|---------------------------|-------|--------|---------|--|
| TX Channel      |  | 512                       | 661   | 810    | Limit   |  | 512                       | 661   | 810    | Limit   |  |
| Frequency (MHz) |  | 1850.2                    | 1850  | 1850.8 | (dbm)   |  | 1850.2                    | 1850  | 1850.8 | (dbm)   |  |
| GSM-1 Tx slot   |  | 29.15                     | 29.16 | 29.09  | 30.50   |  | 20.15                     | 20.16 | 20.09  | 21.50   |  |
| GPRS-1 Tx slot  |  | 29.12                     | 29.14 | 29.05  | 30.50   |  | 20.12                     | 20.14 | 20.05  | 21.50   |  |
| GPRS-2 Tx slot  |  | 25.66                     | 25.63 | 25.61  | 26.50   |  | 19.60                     | 19.63 | 19.61  | 20.50   |  |
| GPRS-3 Tx slot  |  | 23.92                     | 23.73 | 23.93  | 25.00   |  | 19.66                     | 19.47 | 19.67  | 20.74   |  |
| GPRS-4 Tx slot  |  | 22.30                     | 22.37 | 22.38  | 23.50   |  | 19.30                     | 19.37 | 19.38  | 20.50   |  |
| EDGE-1 Tx slot  |  | 25.37                     | 25.19 | 25.38  | 26.50   |  | 16.37                     | 16.19 | 16.38  | 17.50   |  |
| EDGE-2 Tx slot  |  | 23.65                     | 23.64 | 23.75  | 24.50   |  | 17.65                     | 17.64 | 17.75  | 18.50   |  |
| EDGE-3 Tx slot  |  | 21.78                     | 21.76 | 21.81  | 23.00   |  | 17.52                     | 17.50 | 17.55  | 18.74   |  |
| EDGE-4 Tx slot  |  | 19.85                     | 19.69 | 19.68  | 21.00   |  | 16.85                     | 16.69 | 16.68  | 18.00   |  |

  

| Band            |  | WCDMA 1 Ant.1     |       |        | Tune-up |       | WCDMA 1 Ant.1 |        |        | Tune-up |  |
|-----------------|--|-------------------|-------|--------|---------|-------|---------------|--------|--------|---------|--|
| TX Channel      |  | 9262              | 9400  | 9538   | Limit   |       | 1312          | 1413   | 1513   | Limit   |  |
| Rx Channel      |  | 9662              | 9800  | 9938   | (dbm)   |       | 1537          | 1638   | 1738   | (dbm)   |  |
| Frequency (MHz) |  | 1522.4            | 1530  | 1537.5 |         |       | 1722.4        | 1732.5 | 1742.5 |         |  |
| 3GPP Rel 99     |  | AMR 12.2Kbps      | 22.58 | 22.85  | 22.75   | 24.00 | 22.83         | 22.70  | 22.72  | 24.00   |  |
| 3GPP Rel 99     |  | RMC 12.2Kbps      | 22.76 | 22.81  | 22.78   | 24.00 | 22.87         | 22.92  | 22.89  | 24.00   |  |
| 3GPP Rel 6      |  | HSDPA Subtest-1   | 21.65 | 21.80  | 21.66   | 23.00 | 21.75         | 21.73  | 21.84  | 23.00   |  |
| 3GPP Rel 6      |  | HSDPA Subtest-2   | 21.83 | 21.92  | 21.89   | 23.00 | 21.83         | 21.75  | 21.75  | 23.00   |  |
| 3GPP Rel 6      |  | HSDPA Subtest-3   | 21.42 | 21.33  | 21.35   | 22.50 | 21.33         | 21.49  | 21.47  | 22.50   |  |
| 3GPP Rel 6      |  | HSDPA Subtest-4   | 21.38 | 21.48  | 21.39   | 22.50 | 21.29         | 21.43  | 21.42  | 22.50   |  |
| 3GPP Rel 8      |  | DCHSDPA Subtest-1 | 21.75 | 21.83  | 21.82   | 23.00 | 21.74         | 21.90  | 21.86  | 23.00   |  |
| 3GPP Rel 8      |  | DCHSDPA Subtest-2 | 21.84 | 21.91  | 21.88   | 23.00 | 21.88         | 21.82  | 21.76  | 23.00   |  |
| 3GPP Rel 8      |  | DCHSDPA Subtest-3 | 21.42 | 21.52  | 21.42   | 22.50 | 21.25         | 21.46  | 21.45  | 22.50   |  |
| 3GPP Rel 8      |  | DCHSDPA Subtest-4 | 21.43 | 21.48  | 21.38   | 22.50 | 21.29         | 21.37  | 21.27  | 22.50   |  |
| 3GPP Rel 6      |  | HSUPA Subtest-1   | 21.72 | 21.79  | 21.86   | 23.00 | 21.74         | 21.80  | 21.76  | 23.00   |  |
| 3GPP Rel 6      |  | HSUPA Subtest-2   | 19.76 | 19.79  | 19.67   | 21.00 | 19.83         | 19.82  | 19.76  | 21.00   |  |
| 3GPP Rel 6      |  | HSUPA Subtest-3   | 20.87 | 20.88  | 20.95   | 22.00 | 20.83         | 20.86  | 20.92  | 22.00   |  |
| 3GPP Rel 6      |  | HSUPA Subtest-4   | 19.76 | 19.79  | 19.66   | 21.00 | 19.95         | 19.93  | 19.86  | 21.00   |  |
| 3GPP Rel 6      |  | HSUPA Subtest-5   | 21.78 | 21.81  | 21.80   | 23.00 | 21.68         | 21.79  | 21.85  | 23.00   |  |

| Band 2 Ant 1    |            |         |           |                      |                      |                       |                    |          |  |    |   |  |
|-----------------|------------|---------|-----------|----------------------|----------------------|-----------------------|--------------------|----------|--|----|---|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Mid Ch / Freq. | Power High Ch / Freq. | Turn-on time (sec) | MPR (dB) |  |    |   |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |  |    |   |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |  |    |   |  |
| 20              | QPSK       | 1       | 0         | 22.72                | 22.52                | 22.83                 | 24                 | 0        |  |    |   |  |
| 20              | QPSK       | 1       | 48        | 22.53                | 22.40                | 22.72                 |                    |          |  |    |   |  |
| 20              | QPSK       | 1       | 96        | 22.66                | 22.84                | 22.83                 |                    |          |  |    |   |  |
| 20              | QPSK       | 50      | 0         | 21.80                | 21.85                | 21.67                 |                    |          |  |    |   |  |
| 20              | QPSK       | 50      | 24        | 21.83                | 21.84                | 21.74                 | 23                 | 1        |  |    |   |  |
| 20              | QPSK       | 50      | 50        | 21.74                | 21.67                | 21.74                 |                    |          |  |    |   |  |
| 20              | QPSK       | 100     | 0         | 21.80                | 21.84                | 21.82                 |                    |          |  |    |   |  |
| 20              | 16QAM      | 1       | 48        | 21.78                | 21.86                | 21.82                 |                    |          |  |    |   |  |
| 20              | 16QAM      | 1       | 96        | 21.81                | 21.76                | 21.73                 | 23                 | 1        |  |    |   |  |
| 20              | 16QAM      | 50      | 24        | 20.88                | 20.78                | 20.83                 |                    |          |  |    |   |  |
| 20              | 16QAM      | 50      | 24        | 20.84                | 20.81                | 20.81                 |                    |          |  |    |   |  |
| 20              | 16QAM      | 50      | 50        | 20.81                | 20.76                | 20.71                 |                    |          |  |    |   |  |
| 20              | 16QAM      | 100     | 0         | 20.74                | 20.64                | 20.75                 | 22                 | 2        |  |    |   |  |
| 20              | 16QAM      | 1       | 0         | 20.66                | 20.73                | 20.74                 |                    |          |  |    |   |  |
| 20              | 16QAM      | 1       | 48        | 20.68                | 20.71                | 20.81                 |                    |          |  |    |   |  |
| 20              | 16QAM      | 50      | 0         | 19.79                | 19.70                | 19.83                 |                    |          |  |    |   |  |
| 20              | 16QAM      | 50      | 24        | 19.75                | 19.76                | 19.83                 | 21                 | 3        |  |    |   |  |
| 20              | 16QAM      | 50      | 50        | 19.69                | 19.83                | 19.78                 |                    |          |  |    |   |  |
| 20              | 16QAM      | 100     | 0         | 19.81                | 19.64                | 19.70                 |                    |          |  |    |   |  |
| 20              | 16QAM      | 1       | 48        | 17.77                | 17.77                | 17.71                 |                    |          |  |    |   |  |
| 20              | 16QAM      | 1       | 96        | 17.83                | 17.77                | 17.80                 | 19                 | 5        |  |    |   |  |
| 20              | 16QAM      | 50      | 0         | 17.83                | 17.75                | 17.79                 |                    |          |  |    |   |  |
| 20              | 16QAM      | 50      | 24        | 17.74                | 17.76                | 17.79                 |                    |          |  |    |   |  |
| 20              | 16QAM      | 50      | 50        | 17.67                | 17.69                | 17.74                 |                    |          |  |    |   |  |
| 20              | 16QAM      | 100     | 0         | 17.77                | 17.69                | 17.74                 |                    |          |  |    |   |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |  |    |   |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |  |    |   |  |
| 15              | QPSK       | 1       | 0         | 22.65                | 22.82                | 22.78                 | 24                 | 0        |  |    |   |  |
| 15              | QPSK       | 1       | 48        | 22.35                | 22.79                | 22.78                 |                    |          |  |    |   |  |
| 15              | QPSK       | 1       | 74        | 22.61                | 22.78                | 22.81                 |                    |          |  |    |   |  |
| 15              | QPSK       | 36      | 0         | 21.76                | 21.67                | 21.68                 |                    |          |  |    |   |  |
| 15              | QPSK       | 36      | 24        | 21.78                | 21.63                | 21.70                 | 23                 | 1        |  |    |   |  |
| 15              | QPSK       | 36      | 36        | 21.64                | 21.50                | 21.68                 |                    |          |  |    |   |  |
| 15              | QPSK       | 75      | 0         | 21.68                | 21.71                | 21.68                 |                    |          |  |    |   |  |
| 15              | 16QAM      | 1       | 37        | 21.79                | 21.61                | 21.61                 |                    |          |  |    |   |  |
| 15              | 16QAM      | 1       | 74        | 21.81                | 21.71                | 21.52                 | 23                 | 1        |  |    |   |  |
| 15              | 16QAM      | 36      | 0         | 21.77                | 21.66                | 21.72                 |                    |          |  |    |   |  |
| 15              | 16QAM      | 36      | 20        | 20.46                | 20.59                | 20.71                 |                    |          |  |    |   |  |
| 15              | 16QAM      | 36      | 0         | 20.63                | 20.60                | 20.65                 |                    |          |  |    |   |  |
| 15              | 16QAM      | 75      | 0         | 20.63                | 20.60                | 20.55                 | 22                 | 2        |  |    |   |  |
| 15              | 16QAM      | 1       | 0         | 20.64                | 20.75                | 20.83                 |                    |          |  |    |   |  |
| 15              | 16QAM      | 1       | 48        | 20.63                | 20.67                | 20.77                 |                    |          |  |    |   |  |
| 15              | 16QAM      | 1       | 74        | 20.51                | 20.55                | 20.53                 |                    |          |  |    |   |  |
| 15              | 16QAM      | 36      | 0         | 19.79                | 19.71                | 19.82                 | 21                 | 3        |  |    |   |  |
| 15              | 16QAM      | 36      | 20        | 19.80                | 19.73                | 19.86                 |                    |          |  |    |   |  |
| 15              | 16QAM      | 36      | 36        | 19.69                | 19.75                | 19.72                 |                    |          |  |    |   |  |
| 15              | 16QAM      | 75      | 0         | 19.73                | 19.60                | 19.62                 |                    |          |  |    |   |  |
| 15              | 16QAM      | 1       | 37        | 17.71                | 17.67                | 17.50                 | 19                 | 5        |  |    |   |  |
| 15              | 16QAM      | 1       | 74        | 17.70                | 17.70                | 17.77                 |                    |          |  |    |   |  |
| 15              | 16QAM      | 36      | 0         | 17.68                | 17.68                | 17.63                 |                    |          |  |    |   |  |
| 15              | 16QAM      | 36      | 20        | 17.58                | 17.73                | 17.72                 |                    |          |  |    |   |  |
| 15              | 16QAM      | 36      | 36        | 17.60                | 17.67                | 17.63                 | 19                 | 5        |  |    |   |  |
| 15              | 16QAM      | 75      | 0         | 17.63                | 17.69                | 17.68                 |                    |          |  |    |   |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |  |    |   |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |  |    |   |  |
| 10              | QPSK       | 1       | 0         | 22.60                | 22.80                | 22.80                 | 24                 | 0        |  |    |   |  |
| 10              | QPSK       | 1       | 25        | 22.44                | 22.74                | 22.73                 |                    |          |  |    |   |  |
| 10              | QPSK       | 1       | 48        | 22.54                | 22.75                | 22.81                 |                    |          |  |    |   |  |
| 10              | QPSK       | 25      | 12        | 21.66                | 21.66                | 21.69                 |                    |          |  |    |   |  |
| 10              | QPSK       | 25      | 25        | 21.69                | 21.68                | 21.69                 | 23                 | 1        |  |    |   |  |
| 10              | QPSK       | 50      | 0         | 21.75                | 21.68                | 21.71                 |                    |          |  |    |   |  |
| 10              | QPSK       | 50      | 25        | 21.63                | 21.53                | 21.69                 |                    |          |  |    |   |  |
| 10              | 16QAM      | 1       | 0         | 21.67                | 21.67                | 21.67                 |                    |          |  |    |   |  |
| 10              | 16QAM      | 1       | 25        | 21.70                | 21.84                | 21.81                 | 23                 | 1        |  |    |   |  |
| 10              | 16QAM      | 1       | 48        | 21.69                | 21.66                | 21.68                 |                    |          |  |    |   |  |
| 10              | 16QAM      | 25      | 0         | 20.48                | 20.59                | 20.64                 |                    |          |  |    |   |  |
| 10              | 16QAM      | 25      | 12        | 20.43                | 20.42                | 20.77                 |                    |          |  |    |   |  |
| 10              | 16QAM      | 25      | 25        | 20.59                | 20.45                | 20.58                 | 22                 | 2        |  |    |   |  |
| 10              | 16QAM      | 1       | 0         | 20.61                | 20.68                | 20.66                 |                    |          |  |    |   |  |
| 10              | 16QAM      | 1       | 25        | 20.53                | 20.57                | 20.71                 |                    |          |  |    |   |  |
| 10              | 16QAM      | 1       | 48        | 20.51                | 20.61                | 20.56                 |                    |          |  |    |   |  |
| 10              | 16QAM      | 25      | 0         | 19.78                | 19.73                | 19.50                 | 21                 | 3        |  |    |   |  |
| 10              | 16QAM      | 25      | 12        | 19.76                | 19.81                | 19.84                 |                    |          |  |    |   |  |
| 10              | 16QAM      | 25      | 25        | 19.63                | 19.67                | 19.62                 |                    |          |  |    |   |  |
| 10              | 16QAM      | 50      | 0         | 19.73                | 19.64                | 19.53                 |                    |          |  |    |   |  |
| 10              | 16QAM      | 1       | 25        | 17.71                | 17.69                | 17.52                 | 19                 | 5        |  |    |   |  |
| 10              | 16QAM      | 1       | 48        | 17.65                | 17.70                | 17.61                 |                    |          |  |    |   |  |
| 10              | 16QAM      | 25      | 0         | 17.55                | 17.49                | 17.57                 |                    |          |  |    |   |  |
| 10              | 16QAM      | 25      | 12        | 17.63                | 17.58                | 17.59                 |                    |          |  |    |   |  |
| 10              | 16QAM      | 25      | 25        | 17.59                | 17.61                | 17.62                 | 19                 | 5        |  |    |   |  |
| 10              | 16QAM      | 50      | 0         | 17.67                | 17.69                | 17.59                 |                    |          |  |    |   |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |  |    |   |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |  |    |   |  |
| 5               | QPSK       | 1       | 0         | 22.57                | 22.57                | 22.57                 | 24                 | 0        |  |    |   |  |
| 5               | QPSK       | 1       | 12        | 22.40                | 22.50                | 22.72                 |                    |          |  |    |   |  |
| 5               | QPSK       | 1       | 24        | 22.56                | 22.63                | 22.66                 |                    |          |  |    |   |  |
| 5               | QPSK       | 12      | 0         | 21.67                | 21.67                | 21.66                 |                    |          |  |    |   |  |
| 5               | QPSK       | 12      | 7         | 21.75                | 21.57                | 21.64                 | 23                 | 1        |  |    |   |  |
| 5               | QPSK       | 12      | 13        | 21.55                | 21.66                | 21.73                 |                    |          |  |    |   |  |
| 5               | QPSK       | 25      | 0         | 21.71                | 21.62                | 21.77                 |                    |          |  |    |   |  |
| 5               | 16QAM      | 1       | 0         | 21.79                | 21.76                | 21.78                 |                    |          |  |    |   |  |
| 5               | 16QAM      | 1       | 12        | 21.59                | 21.55                | 21.66                 | 23                 | 1        |  |    |   |  |
| 5               | 16QAM      | 1       | 24        | 21.72                | 21.65                | 21.63                 |                    |          |  |    |   |  |
| 5               | 16QAM      | 12      | 0         | 20.57                | 20.89                | 20.83                 |                    |          |  |    |   |  |
| 5               | 16QAM      | 12      | 7         | 20.61                | 20.57                | 20.79                 |                    |          |  |    |   |  |
| 5               | 16QAM      | 12      | 13        | 20.60                | 20.52                | 20.68                 | 22                 | 2        |  |    |   |  |
| 5               | 16QAM      | 25      | 0         | 20.59                | 20.57                | 20.76                 |                    |          |  |    |   |  |
| 5               | 16QAM      | 1       | 0         | 20.59                | 20.74                | 20.81                 |                    |          |  |    |   |  |
| 5               | 16QAM      | 1       | 25        | 20.47                | 20.52                | 20.69                 |                    |          |  |    |   |  |
| 5               | 16QAM      | 1       | 24        | 20.63                | 20.44                | 20.48                 | 22                 | 2        |  |    |   |  |
| 5               | 16QAM      | 12      | 0         | 19.70                | 19.80                | 19.70                 |                    |          |  |    |   |  |
| 5               | 16QAM      | 12      | 13        | 19.73                | 19.66                | 19.81                 |                    |          |  |    |   |  |
| 5               | 16QAM      | 25      | 0         | 19.71                | 19.67                | 19.71                 |                    |          |  |    |   |  |
| 5               | 16QAM      | 1       | 0         | 17.58                | 17.70                | 17.71                 | 19                 | 5        |  |    |   |  |
| 5               | 16QAM      | 1       | 12        | 17.71                | 17.67                | 17.63                 |                    |          |  |    |   |  |
| 5               | 16QAM      | 12      | 0         | 17.64                | 17.69                | 17.65                 |                    |          |  |    |   |  |
| 5               | 16QAM      | 12      | 13        | 17.77                | 17.67                | 17.68                 |                    |          |  |    |   |  |
| 5               | 16QAM      | 12      | 7         | 17.56                | 17.60                | 17.71                 | 19                 | 5        |  |    |   |  |
| 5               | 16QAM      | 12      | 13        | 17.52                | 17.70                | 17.62                 |                    |          |  |    |   |  |
| 5               | 16QAM      | 25      | 0         | 17.68                | 17.70                | 17.62                 |                    |          |  |    |   |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |  |    |   |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |  |    |   |  |
| 3               | QPSK       | 1       | 0         | 22.72                | 22.57                | 22.58                 | 24                 | 0        |  |    |   |  |
| 3               | QPSK       | 1       | 8         | 22.38                | 22.68                | 22.52                 |                    |          |  |    |   |  |
| 3               | QPSK       | 1       | 14        | 22.47                | 22.51                | 22.64                 |                    |          |  |    |   |  |
| 3               | QPSK       | 8       | 0         | 21.69                | 21.75                | 21.84                 |                    |          |  |    |   |  |
| 3               | QPSK       | 8       | 4         | 21.84                | 21.59                | 21.59                 | 23                 | 1        |  |    |   |  |
| 3               | QPSK       | 8       | 7         | 21.61                | 21.57                | 21.74                 |                    |          |  |    |   |  |
| 3               | QPSK       | 15      | 0         | 21.80                | 21.75                | 21.87                 |                    |          |  |    |   |  |
| 3               | 16QAM      | 1       | 0         | 21.68                | 21.69                | 21.66                 |                    |          |  |    |   |  |
| 3               | 16QAM      | 1       | 8         | 21.80                | 21.64                | 21.58                 | 23                 | 1        |  |    |   |  |
| 3               | 16QAM      | 1       | 14        | 21.83                | 21.61                | 21.65                 |                    |          |  |    |   |  |
| 3               | 16QAM      | 8       | 0         | 20.69                | 20.64                | 20.75                 | 22                 | 2        |  |    |   |  |
| 3               | 16QAM      | 8       | 4         | 20.81                | 20.63                | 20.63                 |                    |          |  |    |   |  |
| 3               | 16QAM      | 8       | 7         | 20.69                | 20.58                | 20.61                 |                    |          |  |    |   |  |
| 3               | 16QAM      | 15      | 0         | 20.68                | 20.57                | 20.68                 |                    |          |  |    |   |  |
| 3               | 16QAM      | 1       | 0         | 20.50                | 20.72                | 20.62                 | 22                 | 2        |  |    |   |  |
| 3               | 16QAM      | 1       | 8         | 20.65                | 20.53                | 20.57                 |                    |          |  |    |   |  |
| 3               | 16QAM      | 1       | 14        | 20.43                | 20.31                | 20.50                 |                    |          |  |    |   |  |
| 3               | 16QAM      | 8       | 0         | 19.69                | 19.69                | 19.59                 |                    |          |  |    |   |  |
| 3               | 16QAM      | 8       | 4         | 19.58                | 19.65                | 19.82                 | 21                 | 3        |  |    |   |  |
| 3               | 16QAM      | 8       | 7         | 19.58                | 19.61                | 19.71                 |                    |          |  |    |   |  |
| 3               | 16QAM      | 15      | 0         | 19.68                | 19.58                | 19.64                 |                    |          |  |    |   |  |
| 3               | 16QAM      | 1       | 0         | 17.52                | 17.65                | 17.65                 |                    |          |  |    |   |  |
| 3               | 16QAM      | 1       | 8         | 17.61                | 17.62                | 17.69                 | 19                 | 5        |  |    |   |  |
| 3               | 16QAM      | 1       | 14        | 17.68                | 17.68                | 17.78                 |                    |          |  |    |   |  |
| 3               | 16QAM      | 8       | 0         | 17.64                | 17.69                | 17.69                 |                    |          |  |    |   |  |
| 3               | 16QAM      | 8       | 4         | 17.58                | 17.61                | 17.73                 |                    |          |  |    |   |  |
| 3               | 16QAM      | 8       | 7         | 17.63                | 17.62                | 17.73                 | 19                 | 5        |  |    |   |  |
| 3               | 16QAM      | 15      | 0         | 17.76                | 17.46                | 17.55                 |                    |          |  |    |   |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |  |    |   |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |  |    |   |  |
| 1.4             | QPSK       | 1       | 0         | 22.71                | 22.73                | 22.81                 |                    |          |  | 24 | 0 |  |
| 1.4             | QPSK       | 1       | 8         | 22.53                | 22.73                | 22.81                 |                    |          |  |    |   |  |
| 1.4             | QPSK       | 1       | 16        | 22.61                | 22.67                | 22.81                 |                    |          |  |    |   |  |
| 1.4             | QPSK       | 3       | 0         | 22.61                | 22.76                | 22.81                 |                    |          |  |    |   |  |
| 1.4             | QPSK       | 3       | 8         | 22.53                | 22.69                | 22.81                 | 23                 | 1        |  |    |   |  |
| 1.4             | QPSK       | 3       | 16        | 22.48                | 22.60                | 22.82                 |                    |          |  |    |   |  |
| 1.4             | QPSK       | 6       | 0         | 21.69                | 21.72                | 21.85                 |                    |          |  |    |   |  |
| 1.4             | 16QAM      | 1       | 0         | 21.64                | 21.57                | 21.84                 |                    |          |  |    |   |  |
| 1.4             | 16QAM      | 1       | 8         | 21.62                | 21.48                | 21.81                 | 23                 | 1        |  |    |   |  |
| 1.4             | 16QAM      | 1       | 16        | 21.62                | 21.62                | 21.81                 |                    |          |  |    |   |  |
| 1.4             | 16QAM      | 3       | 0         | 21.69                | 21.79                | 21.82                 |                    |          |  |    |   |  |
| 1.4             | 16QAM      | 3       | 8         | 21.59                | 21.73                | 21.69                 |                    |          |  |    |   |  |
| 1.4             | 16QAM      | 6       | 0         | 20.75                | 20.83                | 21.81                 | 22                 | 2        |  |    |   |  |
| 1.4             | 16QAM      | 6       | 8         | 20.55                | 20.61                | 20.73                 |                    |          |  |    |   |  |
| 1.4             | 16QAM      | 3       | 0         | 20.59                | 20.67                | 20.82                 |                    |          |  |    |   |  |
| 1.4             | 16QAM      | 3       | 8         | 20.61                | 20.64                | 20.75                 |                    |          |  |    |   |  |
| 1.4             | 16QAM      | 6       | 0         | 20.61                | 20.58                | 20.76                 | 22                 | 2        |  |    |   |  |
| 1.4             | 16QAM      | 6       | 8         | 20.47                | 20.47                | 20.76                 |                    |          |  |    |   |  |
| 1.4             | 16QAM      | 3       | 0         | 19.68                | 19.61                | 19.82                 |                    |          |  |    |   |  |
| 1.4             | 16QAM      | 3       | 8         | 19.65                | 19.68                | 19.81                 |                    |          |  |    |   |  |
| 1.4             | 16QAM      | 3       | 1         | 17.60                | 17.45                | 17.58                 | 19                 | 5        |  |    |   |  |
| 1.4             | 16QAM      | 1       | 0         | 17.65                | 17.77                | 17.74                 |                    |          |  |    |   |  |
| 1.4             | 16QAM      | 1       | 8         | 17.74                | 17.61                | 17.74                 |                    |          |  |    |   |  |
| 1.4             | 16QAM      | 3       | 1         | 17.61                | 17.74                | 17.63                 |                    |          |  |    |   |  |
| 1.4             | 16QAM      | 3       | 1         | 17.52                | 17.47                | 17.89                 | 19                 | 5        |  |    |   |  |
| 1.4             | 16QAM      | 3       | 8         | 17.63                | 17.49                | 17.89                 |                    |          |  |    |   |  |

| Band 25 Ant 1         |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |
|-----------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------|----------|--|--|--|--|--|
| BW (MHz)              | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Time-up (sec) | MPE (dB) |  |  |  |  |  |
| Channel               |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |
| 1800 1800 1800        |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |
| 20                    | QPSK       | 1       | 0         | 22.72               | 22.88                  | 22.88                | 24            | 0        |  |  |  |  |  |
| 20                    | QPSK       | 1       | 49        | 22.87               | 22.84                  | 22.75                |               |          |  |  |  |  |  |
| 20                    | QPSK       | 1       | 99        | 22.66               | 22.88                  | 22.85                |               |          |  |  |  |  |  |
| 20                    | QPSK       | 50      | 0         | 21.82               | 21.87                  | 21.78                |               |          |  |  |  |  |  |
| 20                    | QPSK       | 50      | 24        | 21.81               | 21.82                  | 21.83                | 23            | 1        |  |  |  |  |  |
| 20                    | QPSK       | 50      | 50        | 21.68               | 21.76                  | 21.77                |               |          |  |  |  |  |  |
| 20                    | QPSK       | 100     | 0         | 21.71               | 21.82                  | 21.86                |               |          |  |  |  |  |  |
| 20                    | 16QAM      | 1       | 0         | 21.83               | 21.87                  | 21.87                |               |          |  |  |  |  |  |
| 20                    | 16QAM      | 1       | 49        | 21.86               | 21.70                  | 21.86                | 23            | 1        |  |  |  |  |  |
| 20                    | 16QAM      | 1       | 99        | 21.87               | 21.83                  | 21.76                |               |          |  |  |  |  |  |
| 20                    | 16QAM      | 50      | 0         | 20.60               | 20.75                  | 20.76                |               |          |  |  |  |  |  |
| 20                    | 16QAM      | 50      | 24        | 20.76               | 20.60                  | 20.71                |               |          |  |  |  |  |  |
| 20                    | 16QAM      | 50      | 50        | 20.73               | 20.76                  | 20.71                | 22            | 2        |  |  |  |  |  |
| 20                    | 16QAM      | 100     | 0         | 20.60               | 20.59                  | 20.60                |               |          |  |  |  |  |  |
| 20                    | 16QAM      | 1       | 0         | 20.73               | 20.60                  | 20.60                |               |          |  |  |  |  |  |
| 20                    | 16QAM      | 1       | 49        | 20.61               | 20.65                  | 20.71                |               |          |  |  |  |  |  |
| 20                    | 16QAM      | 1       | 99        | 20.78               | 20.59                  | 20.72                | 22            | 2        |  |  |  |  |  |
| 20                    | 16QAM      | 50      | 0         | 19.82               | 19.66                  | 19.76                |               |          |  |  |  |  |  |
| 20                    | 16QAM      | 50      | 24        | 19.74               | 19.61                  | 19.79                |               |          |  |  |  |  |  |
| 20                    | 16QAM      | 50      | 50        | 19.76               | 19.75                  | 19.78                |               |          |  |  |  |  |  |
| 20                    | 16QAM      | 100     | 0         | 19.80               | 19.72                  | 19.68                | 21            | 3        |  |  |  |  |  |
| 20                    | 256QAM     | 1       | 0         | 17.82               | 17.67                  | 17.76                |               |          |  |  |  |  |  |
| 20                    | 256QAM     | 1       | 49        | 17.85               | 17.87                  | 17.81                |               |          |  |  |  |  |  |
| 20                    | 256QAM     | 1       | 99        | 17.78               | 17.80                  | 17.79                |               |          |  |  |  |  |  |
| 20                    | 256QAM     | 50      | 0         | 17.79               | 17.80                  | 17.80                | 19            | 5        |  |  |  |  |  |
| 20                    | 256QAM     | 50      | 24        | 17.85               | 17.89                  | 17.88                |               |          |  |  |  |  |  |
| 20                    | 256QAM     | 50      | 50        | 17.86               | 17.81                  | 17.81                |               |          |  |  |  |  |  |
| 20                    | 256QAM     | 100     | 0         | 17.87               | 17.83                  | 17.87                |               |          |  |  |  |  |  |
| Channel               |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |
| 1807.5 1800 1807.5    |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |
| 15                    | QPSK       | 1       | 0         | 22.68               | 22.85                  | 22.83                | 24            | 0        |  |  |  |  |  |
| 15                    | QPSK       | 1       | 37        | 22.48               | 22.86                  | 22.71                |               |          |  |  |  |  |  |
| 15                    | QPSK       | 1       | 74        | 22.81               | 22.94                  | 22.59                |               |          |  |  |  |  |  |
| 15                    | QPSK       | 36      | 0         | 21.73               | 21.87                  | 21.81                |               |          |  |  |  |  |  |
| 15                    | QPSK       | 36      | 25        | 21.87               | 21.85                  | 21.82                | 23            | 1        |  |  |  |  |  |
| 15                    | QPSK       | 36      | 39        | 21.58               | 21.62                  | 21.58                |               |          |  |  |  |  |  |
| 15                    | QPSK       | 75      | 0         | 21.61               | 21.86                  | 21.60                |               |          |  |  |  |  |  |
| 15                    | 16QAM      | 1       | 1         | 21.69               | 21.78                  | 21.69                |               |          |  |  |  |  |  |
| 15                    | 16QAM      | 1       | 37        | 21.87               | 21.59                  | 21.81                | 23            | 1        |  |  |  |  |  |
| 15                    | 16QAM      | 1       | 74        | 21.73               | 21.80                  | 21.83                |               |          |  |  |  |  |  |
| 15                    | 16QAM      | 36      | 0         | 20.49               | 20.63                  | 20.64                |               |          |  |  |  |  |  |
| 15                    | 16QAM      | 36      | 25        | 20.72               | 20.42                  | 20.68                |               |          |  |  |  |  |  |
| 15                    | 16QAM      | 50      | 0         | 20.55               | 20.59                  | 20.59                | 22            | 2        |  |  |  |  |  |
| 15                    | 16QAM      | 50      | 25        | 20.65               | 20.58                  | 20.65                |               |          |  |  |  |  |  |
| 15                    | 16QAM      | 75      | 0         | 20.55               | 20.59                  | 20.50                |               |          |  |  |  |  |  |
| 15                    | 16QAM      | 1       | 0         | 20.73               | 20.58                  | 20.49                |               |          |  |  |  |  |  |
| 15                    | 16QAM      | 1       | 37        | 20.49               | 20.64                  | 20.61                | 23            | 2        |  |  |  |  |  |
| 15                    | 16QAM      | 1       | 74        | 20.76               | 20.47                  | 20.53                |               |          |  |  |  |  |  |
| 15                    | 16QAM      | 36      | 0         | 19.69               | 19.62                  | 19.61                |               |          |  |  |  |  |  |
| 15                    | 16QAM      | 36      | 25        | 19.81               | 19.61                  | 19.78                |               |          |  |  |  |  |  |
| 15                    | 16QAM      | 36      | 39        | 19.09               | 19.05                  | 19.04                | 21            | 3        |  |  |  |  |  |
| 15                    | 16QAM      | 75      | 0         | 19.69               | 19.64                  | 19.61                |               |          |  |  |  |  |  |
| 15                    | 256QAM     | 1       | 0         | 17.70               | 17.72                  | 17.67                |               |          |  |  |  |  |  |
| 15                    | 256QAM     | 1       | 37        | 17.85               | 17.85                  | 17.71                |               |          |  |  |  |  |  |
| 15                    | 256QAM     | 1       | 74        | 17.84               | 17.84                  | 17.78                | 19            | 5        |  |  |  |  |  |
| 15                    | 256QAM     | 36      | 0         | 17.72               | 17.81                  | 17.83                |               |          |  |  |  |  |  |
| 15                    | 256QAM     | 36      | 25        | 17.79               | 17.87                  | 17.87                |               |          |  |  |  |  |  |
| 15                    | 256QAM     | 36      | 39        | 17.88               | 17.89                  | 17.80                |               |          |  |  |  |  |  |
| 15                    | 256QAM     | 75      | 0         | 17.86               | 17.78                  | 17.78                | 19            | 5        |  |  |  |  |  |
| Channel               |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |
| 18090 18090 18090     |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |
| 10                    | QPSK       | 1       | 0         | 22.54               | 22.80                  | 22.80                | 24            | 0        |  |  |  |  |  |
| 10                    | QPSK       | 1       | 25        | 22.58               | 22.84                  | 22.83                |               |          |  |  |  |  |  |
| 10                    | QPSK       | 1       | 49        | 22.52               | 22.80                  | 22.50                |               |          |  |  |  |  |  |
| 10                    | QPSK       | 25      | 0         | 21.83               | 21.70                  | 21.73                |               |          |  |  |  |  |  |
| 10                    | QPSK       | 25      | 12        | 21.69               | 21.54                  | 21.70                | 23            | 1        |  |  |  |  |  |
| 10                    | QPSK       | 25      | 19        | 21.84               | 21.66                  | 21.78                |               |          |  |  |  |  |  |
| 10                    | QPSK       | 50      | 0         | 21.87               | 21.70                  | 21.67                |               |          |  |  |  |  |  |
| 10                    | 16QAM      | 1       | 0         | 21.66               | 21.60                  | 21.65                |               |          |  |  |  |  |  |
| 10                    | 16QAM      | 1       | 25        | 21.75               | 21.54                  | 21.76                | 23            | 1        |  |  |  |  |  |
| 10                    | 16QAM      | 1       | 49        | 21.79               | 21.68                  | 21.68                |               |          |  |  |  |  |  |
| 10                    | 16QAM      | 25      | 0         | 20.47               | 20.64                  | 20.50                |               |          |  |  |  |  |  |
| 10                    | 16QAM      | 25      | 12        | 20.65               | 20.57                  | 20.61                |               |          |  |  |  |  |  |
| 10                    | 16QAM      | 50      | 0         | 20.60               | 20.70                  | 20.78                | 22            | 2        |  |  |  |  |  |
| 10                    | 16QAM      | 50      | 0         | 20.58               | 20.47                  | 20.55                |               |          |  |  |  |  |  |
| 10                    | 16QAM      | 1       | 0         | 20.64               | 20.56                  | 20.46                |               |          |  |  |  |  |  |
| 10                    | 16QAM      | 1       | 25        | 20.50               | 20.63                  | 20.61                |               |          |  |  |  |  |  |
| 10                    | 16QAM      | 1       | 49        | 20.70               | 20.48                  | 20.56                | 22            | 2        |  |  |  |  |  |
| 10                    | 16QAM      | 25      | 0         | 19.70               | 19.48                  | 19.58                |               |          |  |  |  |  |  |
| 10                    | 16QAM      | 25      | 12        | 19.66               | 19.68                  | 19.70                |               |          |  |  |  |  |  |
| 10                    | 16QAM      | 50      | 0         | 19.68               | 19.68                  | 19.63                |               |          |  |  |  |  |  |
| 10                    | 16QAM      | 50      | 0         | 19.66               | 19.69                  | 19.50                | 21            | 3        |  |  |  |  |  |
| 10                    | 256QAM     | 1       | 0         | 17.65               | 17.73                  | 17.63                |               |          |  |  |  |  |  |
| 10                    | 256QAM     | 1       | 25        | 17.85               | 17.71                  | 17.70                |               |          |  |  |  |  |  |
| 10                    | 256QAM     | 1       | 49        | 17.70               | 17.73                  | 17.66                |               |          |  |  |  |  |  |
| 10                    | 256QAM     | 25      | 0         | 17.72               | 17.81                  | 17.86                | 19            | 5        |  |  |  |  |  |
| 10                    | 256QAM     | 25      | 12        | 17.82               | 17.84                  | 17.83                |               |          |  |  |  |  |  |
| 10                    | 256QAM     | 25      | 19        | 17.82               | 17.83                  | 17.71                |               |          |  |  |  |  |  |
| 10                    | 256QAM     | 50      | 0         | 17.83               | 17.82                  | 17.85                |               |          |  |  |  |  |  |
| Channel               |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |
| 18095 18090 18095     |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |
| 5                     | QPSK       | 1       | 0         | 22.73               | 22.80                  | 22.81                | 24            | 0        |  |  |  |  |  |
| 5                     | QPSK       | 1       | 12        | 22.00               | 22.82                  | 22.57                |               |          |  |  |  |  |  |
| 5                     | QPSK       | 1       | 24        | 22.66               | 22.91                  | 22.47                |               |          |  |  |  |  |  |
| 5                     | QPSK       | 12      | 0         | 21.76               | 21.70                  | 21.61                |               |          |  |  |  |  |  |
| 5                     | QPSK       | 12      | 7         | 21.71               | 21.53                  | 21.89                | 23            | 1        |  |  |  |  |  |
| 5                     | QPSK       | 12      | 13        | 21.59               | 21.57                  | 21.75                |               |          |  |  |  |  |  |
| 5                     | QPSK       | 25      | 0         | 21.62               | 21.70                  | 21.64                |               |          |  |  |  |  |  |
| 5                     | 16QAM      | 1       | 0         | 21.82               | 21.70                  | 21.89                |               |          |  |  |  |  |  |
| 5                     | 16QAM      | 1       | 12        | 21.84               | 21.65                  | 21.67                | 23            | 1        |  |  |  |  |  |
| 5                     | 16QAM      | 1       | 24        | 21.71               | 21.69                  | 21.71                |               |          |  |  |  |  |  |
| 5                     | 16QAM      | 12      | 0         | 20.44               | 20.72                  | 20.51                |               |          |  |  |  |  |  |
| 5                     | 16QAM      | 12      | 7         | 20.63               | 20.66                  | 20.70                |               |          |  |  |  |  |  |
| 5                     | 16QAM      | 12      | 13        | 20.55               | 20.60                  | 20.68                | 22            | 2        |  |  |  |  |  |
| 5                     | 16QAM      | 25      | 0         | 20.55               | 20.49                  | 20.56                |               |          |  |  |  |  |  |
| 5                     | 16QAM      | 1       | 0         | 20.71               | 20.57                  | 20.52                |               |          |  |  |  |  |  |
| 5                     | 16QAM      | 1       | 12        | 20.53               | 20.45                  | 20.50                |               |          |  |  |  |  |  |
| 5                     | 16QAM      | 1       | 24        | 20.56               | 20.49                  | 20.72                | 22            | 2        |  |  |  |  |  |
| 5                     | 16QAM      | 12      | 0         | 19.83               | 19.62                  | 19.67                |               |          |  |  |  |  |  |
| 5                     | 16QAM      | 12      | 7         | 19.57               | 19.60                  | 19.71                |               |          |  |  |  |  |  |
| 5                     | 16QAM      | 12      | 13        | 19.76               | 19.70                  | 19.79                |               |          |  |  |  |  |  |
| 5                     | 16QAM      | 25      | 0         | 19.59               | 19.60                  | 19.61                | 21            | 3        |  |  |  |  |  |
| 5                     | 256QAM     | 1       | 0         | 17.83               | 17.73                  | 17.84                |               |          |  |  |  |  |  |
| 5                     | 256QAM     | 1       | 12        | 17.77               | 17.76                  | 17.69                |               |          |  |  |  |  |  |
| 5                     | 256QAM     | 1       | 12        | 17.77               | 17.76                  | 17.69                | 19            | 5        |  |  |  |  |  |
| 5                     | 256QAM     | 12      | 0         | 17.73               | 17.89                  | 17.82                |               |          |  |  |  |  |  |
| 5                     | 256QAM     | 12      | 13        | 17.77               | 17.87                  | 17.80                |               |          |  |  |  |  |  |
| 5                     | 256QAM     | 12      | 13        | 17.77               | 17.87                  | 17.80                | 19            | 5        |  |  |  |  |  |
| 5                     | 256QAM     | 25      | 0         | 17.72               | 17.77                  | 17.74                |               |          |  |  |  |  |  |
| 5                     | 256QAM     | 25      | 0         | 17.79               | 17.70                  | 17.84                |               |          |  |  |  |  |  |
| Channel               |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |
| 18097.5 18090 18097.5 |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |
| 3                     | QPSK       | 1       | 0         | 22.57               | 22.78                  | 22.83                | 24            | 0        |  |  |  |  |  |
| 3                     | QPSK       | 1       | 8         | 22.58               | 22.87                  | 22.57                |               |          |  |  |  |  |  |
| 3                     | QPSK       | 1       | 16        | 22.66               | 22.91                  | 22.47                |               |          |  |  |  |  |  |
| 3                     | QPSK       | 8       | 0         | 21.84               | 21.76                  | 21.79                |               |          |  |  |  |  |  |
| 3                     | QPSK       | 8       | 4         | 21.86               | 21.60                  | 21.74                | 23            | 1        |  |  |  |  |  |
| 3                     | QPSK       | 8       | 12        | 21.60               | 21.59                  | 21.75                |               |          |  |  |  |  |  |
| 3                     | QPSK       | 16      | 0         | 21.66               | 21.76                  | 21.68                |               |          |  |  |  |  |  |
| 3                     | 16QAM      | 1       | 0         | 21.79               | 21.73                  | 21.68                |               |          |  |  |  |  |  |
| 3                     | 16QAM      | 1       | 8         | 21.69               | 21.73                  | 21.78                | 23            | 1        |  |  |  |  |  |
| 3                     | 16QAM      | 1       | 16        | 21.84               | 21.63                  | 21.77                |               |          |  |  |  |  |  |
| 3                     | 16QAM      | 8       | 0         | 20.50               | 20.67                  | 20.67                |               |          |  |  |  |  |  |
| 3                     | 16QAM      | 8       | 4         | 20.61               | 20.57                  | 20.68                |               |          |  |  |  |  |  |
| 3                     | 16QAM      | 8       | 7         | 20.63               | 20.57                  | 20.72                | 22            | 2        |  |  |  |  |  |
| 3                     | 16QAM      | 16      | 0         | 20.57               | 20.60                  | 20.66                |               |          |  |  |  |  |  |
| 3                     | 16QAM      | 1       | 0         | 20.50               | 20.64                  | 20.48                |               |          |  |  |  |  |  |
| 3                     | 16QAM      | 1       | 8         | 20.50               | 20.62                  | 20.68                | 22            | 2        |  |  |  |  |  |
| 3                     | 16QAM      | 8       | 0         | 19.83               | 19.62                  | 19.83                |               |          |  |  |  |  |  |
| 3                     | 16QAM      | 8       | 4         | 19.68               | 19.68                  | 19.67                |               |          |  |  |  |  |  |
| 3                     | 16QAM      | 8       | 7         | 19.70               | 19.69                  | 19.78                | 21            | 3        |  |  |  |  |  |
| 3                     | 16QAM      | 16      | 0         | 19.78               | 19.57                  | 19.69                |               |          |  |  |  |  |  |
| 3                     | 256QAM     | 1       | 0         | 17.70               | 17.71                  | 17.67                |               |          |  |  |  |  |  |
| 3                     | 256QAM     | 1       | 8         | 17.84               | 17.81                  | 17.80                | 19            | 5        |  |  |  |  |  |
| 3                     | 256QAM     | 1       | 16        | 17.76               | 17.83                  | 17.72                |               |          |  |  |  |  |  |
| 3                     | 256QAM     | 8       | 0         | 17.60               | 17.68                  | 17.69                |               |          |  |  |  |  |  |
| 3                     | 256QAM     | 8       | 4         | 17.64               | 17.69                  | 17.68                | 19            | 5        |  |  |  |  |  |
| 3                     | 256QAM     | 8       | 7         | 17.74               | 17.84                  | 17.76                |               |          |  |  |  |  |  |
| 3                     | 256QAM     | 16      | 0         | 17.72               | 17.70                  | 17.80                |               |          |  |  |  |  |  |
| Channel               |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |
| 18097.5 18090 18097.5 |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |
| 1.4                   | QPSK       | 1       | 0         | 22.62               | 22.84                  | 22.48                | 24            | 0        |  |  |  |  |  |
| 1.4                   | QPSK       | 1       | 8         | 22.64               | 22.83                  | 22.48                |               |          |  |  |  |  |  |
| 1.4                   | QPSK       | 1       | 16        | 22.81               | 22.78                  | 22.47                |               |          |  |  |  |  |  |
| 1.4                   | QPSK       | 1       | 8         | 22.57               | 22.76                  | 22.87                |               |          |  |  |  |  |  |
| 1.4                   | QPSK       | 3       | 0         | 22.58               | 22.82                  | 22.82                | 23            | 1        |  |  |  |  |  |
| 1.4                   | QPSK       | 3       | 8         | 22.49               | 22.80                  | 22.52                |               |          |  |  |  |  |  |
| 1.4                   | QPSK       | 3       | 16        | 21.62               | 21.81                  | 21.83                |               |          |  |  |  |  |  |
| 1.4                   | QPSK       | 3       | 16        | 21.70               | 21.75                  | 21.78                |               |          |  |  |  |  |  |
| 1.4                   | 16QAM      | 1       | 0         | 21.84               | 21.71                  | 21.83                | 23            | 1        |  |  |  |  |  |
| 1.4                   | 16QAM      | 1       | 8         | 21.74               | 21.73                  | 21.83                |               |          |  |  |  |  |  |
| 1.4                   | 16QAM      | 3       | 0         | 21.63               | 21.82                  | 21.81                |               |          |  |  |  |  |  |
| 1.4                   | 16QAM      | 3       | 8         | 21.63               | 21.66                  | 21.88                |               |          |  |  |  |  |  |
| 1.4                   | 16QAM      | 3       | 0         | 21.74               | 21.70                  | 21.83                | 22            | 2        |  |  |  |  |  |
| 1.4                   | 16QAM      | 3       | 8         | 20.55               | 20.60                  | 20.67                |               |          |  |  |  |  |  |
| 1.4                   | 16QAM      | 1       | 0         | 20.84               | 20.48                  | 20.58                |               |          |  |  |  |  |  |
| 1.4                   | 16QAM      | 1       | 8         | 20.48               | 20.49                  | 20.58                | 22            | 2        |  |  |  |  |  |
| 1.4                   | 16QAM      | 1       | 16        | 20.77               | 20.44                  | 20.74                |               |          |  |  |  |  |  |
| 1.4                   | 16QAM      | 3       | 0         | 20.59               | 20.57                  | 20.48                |               |          |  |  |  |  |  |
| 1.4                   | 16QAM      | 3       | 8         | 20.47               | 20.59                  | 20.48                | 22            | 2        |  |  |  |  |  |
| 1.4                   | 16QAM      | 3       | 16        | 20.68               | 20.49                  | 20.68                |               |          |  |  |  |  |  |
| 1.4                   | 256QAM     | 1       | 0         | 19.68               | 19.64                  | 19.68                |               |          |  |  |  |  |  |
| 1.4                   | 256QAM     | 1       | 8         | 17.85               | 17.80                  | 17.92                | 21            | 3        |  |  |  |  |  |
| 1.4                   | 256QAM     | 1       | 16        | 17.73               | 17.82                  | 17.83                |               |          |  |  |  |  |  |
| 1.4                   | 256QAM     | 3       | 0         | 17.76               | 17.88                  | 17.83                |               |          |  |  |  |  |  |
| 1.4                   | 256QAM     | 3       | 8         | 17.89               | 17.74                  | 17.75                | 19            | 5        |  |  |  |  |  |
| 1.4                   | 256QAM     | 3       | 16        | 17.82               | 17.81                  | 17.83                |               |          |  |  |  |  |  |
| 1.4                   | 256QAM     | 16      | 0         |                     |                        |                      |               |          |  |  |  |  |  |

| Band 38 Ant 1   |            |         |           |                     |                        |                      |                     |          |  |  |  |  |  |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|--|--|--|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Middle Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |  |
| Channel         |            |         |           | 37650               | 38000                  | 38150                |                     |          |  |  |  |  |  |
| Frequency (MHz) |            |         |           | 2580                | 2595                   | 2610                 |                     |          |  |  |  |  |  |
| 20              | QPSK       | 1       | 0         | 22.96               | 23.16                  | 23.13                | 24                  | 0        |  |  |  |  |  |
| 20              | QPSK       | 1       | 49        | 22.96               | 22.94                  | 22.89                |                     |          |  |  |  |  |  |
| 20              | QPSK       | 1       | 99        | 22.85               | 22.86                  | 22.86                | 23                  | 1        |  |  |  |  |  |
| 20              | QPSK       | 50      | 0         | 21.96               | 22.15                  | 21.98                |                     |          |  |  |  |  |  |
| 20              | QPSK       | 50      | 24        | 21.95               | 21.97                  | 21.88                | 23                  | 1        |  |  |  |  |  |
| 20              | QPSK       | 50      | 50        | 21.90               | 21.77                  | 22.13                |                     |          |  |  |  |  |  |
| 20              | QPSK       | 100     | 0         | 21.97               | 22.10                  | 22.00                | 23                  | 1        |  |  |  |  |  |
| 20              | 16QAM      | 1       | 0         | 21.95               | 21.80                  | 22.07                |                     |          |  |  |  |  |  |
| 20              | 16QAM      | 1       | 49        | 21.81               | 21.99                  | 22.04                | 22                  | 2        |  |  |  |  |  |
| 20              | 16QAM      | 1       | 99        | 22.02               | 22.00                  | 21.79                |                     |          |  |  |  |  |  |
| 20              | 16QAM      | 50      | 0         | 20.80               | 20.86                  | 20.85                | 22                  | 2        |  |  |  |  |  |
| 20              | 16QAM      | 50      | 24        | 20.92               | 20.57                  | 20.82                |                     |          |  |  |  |  |  |
| 20              | 16QAM      | 50      | 50        | 20.90               | 20.69                  | 20.81                | 21                  | 3        |  |  |  |  |  |
| 20              | 16QAM      | 100     | 0         | 20.64               | 20.90                  | 20.61                |                     |          |  |  |  |  |  |
| 20              | 64QAM      | 1       | 0         | 20.66               | 20.77                  | 20.71                | 22                  | 2        |  |  |  |  |  |
| 20              | 64QAM      | 1       | 49        | 20.61               | 20.78                  | 20.78                |                     |          |  |  |  |  |  |
| 20              | 64QAM      | 1       | 99        | 20.72               | 20.74                  | 20.93                | 21                  | 3        |  |  |  |  |  |
| 20              | 64QAM      | 50      | 0         | 19.82               | 19.85                  | 19.91                |                     |          |  |  |  |  |  |
| 20              | 64QAM      | 50      | 24        | 19.95               | 19.81                  | 19.76                | 19                  | 5        |  |  |  |  |  |
| 20              | 64QAM      | 50      | 50        | 19.82               | 19.68                  | 19.95                |                     |          |  |  |  |  |  |
| 20              | 64QAM      | 100     | 0         | 19.75               | 19.81                  | 19.72                | 19                  | 5        |  |  |  |  |  |
| 20              | 256QAM     | 1       | 0         | 17.89               | 17.87                  | 17.66                |                     |          |  |  |  |  |  |
| 20              | 256QAM     | 1       | 49        | 17.90               | 17.91                  | 17.86                | 19                  | 5        |  |  |  |  |  |
| 20              | 256QAM     | 1       | 99        | 17.71               | 17.76                  | 17.79                |                     |          |  |  |  |  |  |
| 20              | 256QAM     | 50      | 0         | 17.83               | 17.96                  | 17.74                | 19                  | 5        |  |  |  |  |  |
| 20              | 256QAM     | 50      | 24        | 17.99               | 17.96                  | 17.90                |                     |          |  |  |  |  |  |
| 20              | 256QAM     | 50      | 50        | 17.76               | 17.83                  | 17.69                | 20                  | 2        |  |  |  |  |  |
| 20              | 256QAM     | 100     | 0         | 17.83               | 17.80                  | 17.67                |                     |          |  |  |  |  |  |
| Channel         |            |         |           | 37625               | 38000                  | 38175                |                     |          |  |  |  |  |  |
| Frequency (MHz) |            |         |           | 2577.5              | 2595                   | 2612.5               |                     |          |  |  |  |  |  |
| 15              | QPSK       | 1       | 0         | 22.70               | 22.80                  | 22.52                | 24                  | 0        |  |  |  |  |  |
| 15              | QPSK       | 1       | 37        | 22.43               | 22.60                  | 22.21                |                     |          |  |  |  |  |  |
| 15              | QPSK       | 1       | 74        | 22.48               | 22.27                  | 22.55                | 23                  | 1        |  |  |  |  |  |
| 15              | QPSK       | 36      | 0         | 21.37               | 21.53                  | 21.52                |                     |          |  |  |  |  |  |
| 15              | QPSK       | 36      | 20        | 21.49               | 21.44                  | 21.46                | 23                  | 1        |  |  |  |  |  |
| 15              | QPSK       | 36      | 39        | 21.25               | 21.40                  | 21.54                |                     |          |  |  |  |  |  |
| 15              | QPSK       | 75      | 0         | 21.36               | 21.46                  | 21.38                | 23                  | 1        |  |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 21.46               | 21.30                  | 21.47                |                     |          |  |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 21.19               | 21.54                  | 21.39                | 23                  | 1        |  |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 21.47               | 21.32                  | 21.29                |                     |          |  |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 20.29               | 20.33                  | 20.31                | 22                  | 2        |  |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 20.34               | 20.61                  | 20.32                |                     |          |  |  |  |  |  |
| 15              | 16QAM      | 36      | 39        | 20.33               | 20.20                  | 20.37                | 22                  | 2        |  |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 20.25               | 20.30                  | 20.15                |                     |          |  |  |  |  |  |
| 15              | 64QAM      | 1       | 0         | 20.10               | 20.30                  | 20.17                | 22                  | 2        |  |  |  |  |  |
| 15              | 64QAM      | 1       | 37        | 20.05               | 20.08                  | 20.37                |                     |          |  |  |  |  |  |
| 15              | 64QAM      | 1       | 74        | 20.40               | 20.36                  | 20.44                | 21                  | 3        |  |  |  |  |  |
| 15              | 64QAM      | 36      | 0         | 19.41               | 19.44                  | 19.34                |                     |          |  |  |  |  |  |
| 15              | 64QAM      | 36      | 20        | 19.23               | 19.30                  | 19.30                | 19                  | 5        |  |  |  |  |  |
| 15              | 64QAM      | 36      | 39        | 19.32               | 19.26                  | 19.42                |                     |          |  |  |  |  |  |
| 15              | 64QAM      | 75      | 0         | 19.24               | 19.34                  | 19.15                | 19                  | 5        |  |  |  |  |  |
| 15              | 256QAM     | 1       | 0         | 17.46               | 17.24                  | 17.27                |                     |          |  |  |  |  |  |
| 15              | 256QAM     | 1       | 37        | 17.25               | 17.38                  | 17.46                | 19                  | 5        |  |  |  |  |  |
| 15              | 256QAM     | 1       | 74        | 17.19               | 17.41                  | 17.24                |                     |          |  |  |  |  |  |
| 15              | 256QAM     | 36      | 0         | 17.23               | 17.37                  | 17.23                | 19                  | 5        |  |  |  |  |  |
| 15              | 256QAM     | 36      | 20        | 17.46               | 17.42                  | 17.50                |                     |          |  |  |  |  |  |
| 15              | 256QAM     | 36      | 39        | 17.29               | 17.41                  | 17.33                | 19                  | 5        |  |  |  |  |  |
| 15              | 256QAM     | 75      | 0         | 17.31               | 17.38                  | 17.44                |                     |          |  |  |  |  |  |
| Channel         |            |         |           | 37600               | 38000                  | 38200                |                     |          |  |  |  |  |  |
| Frequency (MHz) |            |         |           | 2575                | 2595                   | 2615                 |                     |          |  |  |  |  |  |
| 10              | QPSK       | 1       | 0         | 22.50               | 22.56                  | 22.52                | 24                  | 0        |  |  |  |  |  |
| 10              | QPSK       | 1       | 25        | 22.44               | 22.48                  | 22.39                |                     |          |  |  |  |  |  |
| 10              | QPSK       | 1       | 49        | 22.35               | 22.44                  | 22.36                | 23                  | 1        |  |  |  |  |  |
| 10              | QPSK       | 25      | 0         | 21.38               | 21.45                  | 21.56                |                     |          |  |  |  |  |  |
| 10              | QPSK       | 25      | 12        | 21.47               | 21.43                  | 21.31                | 23                  | 1        |  |  |  |  |  |
| 10              | QPSK       | 25      | 25        | 21.29               | 21.34                  | 21.64                |                     |          |  |  |  |  |  |
| 10              | QPSK       | 50      | 0         | 21.35               | 21.47                  | 21.37                | 23                  | 1        |  |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 21.45               | 21.46                  | 21.56                |                     |          |  |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 21.17               | 21.60                  | 21.43                | 23                  | 1        |  |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 21.41               | 21.50                  | 21.35                |                     |          |  |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 20.31               | 20.37                  | 20.32                | 22                  | 2        |  |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 20.32               | 20.00                  | 20.39                |                     |          |  |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 20.38               | 20.24                  | 20.43                | 22                  | 2        |  |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 20.22               | 20.30                  | 20.13                |                     |          |  |  |  |  |  |
| 10              | 64QAM      | 1       | 0         | 20.27               | 20.37                  | 20.18                | 22                  | 2        |  |  |  |  |  |
| 10              | 64QAM      | 1       | 25        | 20.13               | 20.08                  | 20.21                |                     |          |  |  |  |  |  |
| 10              | 64QAM      | 1       | 49        | 20.24               | 20.27                  | 20.36                | 21                  | 3        |  |  |  |  |  |
| 10              | 64QAM      | 25      | 0         | 19.21               | 19.50                  | 19.20                |                     |          |  |  |  |  |  |
| 10              | 64QAM      | 25      | 12        | 19.44               | 19.29                  | 19.39                | 19                  | 5        |  |  |  |  |  |
| 10              | 64QAM      | 25      | 25        | 19.28               | 19.29                  | 19.33                |                     |          |  |  |  |  |  |
| 10              | 64QAM      | 50      | 0         | 19.23               | 19.25                  | 19.09                | 19                  | 5        |  |  |  |  |  |
| 10              | 256QAM     | 1       | 0         | 17.35               | 17.38                  | 17.16                |                     |          |  |  |  |  |  |
| 10              | 256QAM     | 1       | 25        | 17.27               | 17.37                  | 17.48                | 19                  | 5        |  |  |  |  |  |
| 10              | 256QAM     | 1       | 49        | 17.37               | 17.40                  | 17.22                |                     |          |  |  |  |  |  |
| 10              | 256QAM     | 25      | 0         | 17.31               | 17.54                  | 17.34                | 19                  | 5        |  |  |  |  |  |
| 10              | 256QAM     | 25      | 12        | 17.38               | 17.54                  | 17.45                |                     |          |  |  |  |  |  |
| 10              | 256QAM     | 25      | 25        | 17.42               | 17.39                  | 17.13                | 19                  | 5        |  |  |  |  |  |
| 10              | 256QAM     | 50      | 0         | 17.34               | 17.21                  | 17.55                |                     |          |  |  |  |  |  |
| Channel         |            |         |           | 37775               | 38000                  | 38225                |                     |          |  |  |  |  |  |
| Frequency (MHz) |            |         |           | 2592.5              | 2595                   | 2617.5               |                     |          |  |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 22.68               | 22.70                  | 22.52                | 24                  | 0        |  |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 22.43               | 22.67                  | 22.44                |                     |          |  |  |  |  |  |
| 5               | QPSK       | 1       | 24        | 22.29               | 22.41                  | 22.42                | 23                  | 1        |  |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 21.32               | 21.60                  | 21.45                |                     |          |  |  |  |  |  |
| 5               | QPSK       | 12      | 7         | 21.33               | 21.43                  | 21.43                | 23                  | 1        |  |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 21.22               | 21.48                  | 21.46                |                     |          |  |  |  |  |  |
| 5               | QPSK       | 25      | 0         | 21.39               | 21.30                  | 21.37                | 23                  | 1        |  |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 21.37               | 21.32                  | 21.43                |                     |          |  |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 21.18               | 21.42                  | 21.52                | 23                  | 1        |  |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 21.45               | 21.42                  | 21.44                |                     |          |  |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 20.20               | 20.29                  | 20.49                | 22                  | 2        |  |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 20.46               | 20.66                  | 20.27                |                     |          |  |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 20.37               | 20.34                  | 20.40                | 22                  | 2        |  |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 20.31               | 20.34                  | 20.27                |                     |          |  |  |  |  |  |
| 5               | 64QAM      | 1       | 0         | 20.24               | 20.26                  | 20.38                | 22                  | 2        |  |  |  |  |  |
| 5               | 64QAM      | 1       | 12        | 20.05               | 20.14                  | 20.14                |                     |          |  |  |  |  |  |
| 5               | 64QAM      | 1       | 24        | 20.20               | 20.36                  | 20.41                | 22                  | 2        |  |  |  |  |  |
| 5               | 64QAM      | 12      | 0         | 19.31               | 19.30                  | 19.33                |                     |          |  |  |  |  |  |
| 5               | 64QAM      | 12      | 7         | 19.45               | 19.43                  | 19.39                | 21                  | 3        |  |  |  |  |  |
| 5               | 64QAM      | 12      | 13        | 19.13               | 19.30                  | 19.41                |                     |          |  |  |  |  |  |
| 5               | 64QAM      | 25      | 0         | 19.32               | 19.41                  | 19.20                | 21                  | 3        |  |  |  |  |  |
| 5               | 64QAM      | 25      | 0         | 19.29               | 17.20                  | 19.29                |                     |          |  |  |  |  |  |
| 5               | 256QAM     | 1       | 0         | 17.29               | 17.23                  | 17.42                | 19                  | 5        |  |  |  |  |  |
| 5               | 256QAM     | 1       | 12        | 17.23               | 17.42                  | 17.45                |                     |          |  |  |  |  |  |
| 5               | 256QAM     | 1       | 24        | 17.24               | 17.35                  | 17.31                | 19                  | 5        |  |  |  |  |  |
| 5               | 256QAM     | 12      | 0         | 17.43               | 17.41                  | 17.23                |                     |          |  |  |  |  |  |
| 5               | 256QAM     | 12      | 7         | 17.41               | 17.51                  | 17.29                | 19                  | 5        |  |  |  |  |  |
| 5               | 256QAM     | 12      | 13        | 17.38               | 17.35                  | 17.35                |                     |          |  |  |  |  |  |
| 5               | 256QAM     | 25      | 0         | 17.27               | 17.24                  | 17.43                | 19                  | 5        |  |  |  |  |  |
| 5               | 256QAM     | 25      | 0         | 17.27               | 17.24                  | 17.43                |                     |          |  |  |  |  |  |

| Band 2 Ant 4    |            |          |            |                        |                        |                         |                       |             |  |  |
|-----------------|------------|----------|------------|------------------------|------------------------|-------------------------|-----------------------|-------------|--|--|
| BW (MHz)        | Modulation | RIS Size | RIS Offset | Power<br>Low Ch./Freq. | Power<br>Hsp Ch./Freq. | Power<br>High Ch./Freq. | Turn-up<br>Time (sec) | MPR<br>(dB) |  |  |
| Channel         |            |          |            |                        |                        |                         |                       |             |  |  |
| Frequency (MHz) | Channel    | 1800     | 1800       | 1800                   | 1800                   | 1800                    |                       |             |  |  |
| 20              | QPSK       | 1        | 0          | 16.58                  | 16.75                  | 16.63                   |                       |             |  |  |
| 20              | QPSK       | 1        | 49         | 16.27                  | 16.36                  | 16.25                   | 19.4                  | 0           |  |  |
| 20              | QPSK       | 1        | 99         | 16.44                  | 16.43                  | 16.39                   |                       |             |  |  |
| 20              | QPSK       | 50       | 0          | 16.43                  | 16.47                  | 16.43                   |                       |             |  |  |
| 20              | QPSK       | 50       | 84         | 16.28                  | 16.44                  | 16.29                   | 19.4                  | 0           |  |  |
| 20              | QPSK       | 50       | 99         | 16.43                  | 16.28                  | 16.22                   |                       |             |  |  |
| 20              | QPSK       | 100      | 0          | 16.37                  | 16.63                  | 16.62                   |                       |             |  |  |
| 20              | QPSK       | 100      | 84         | 16.34                  | 16.16                  | 16.33                   | 19.4                  | 0           |  |  |
| 20              | QPSK       | 100      | 99         | 16.26                  | 16.36                  | 16.34                   |                       |             |  |  |
| 20              | QPSK       | 1        | 99         | 16.37                  | 16.46                  | 16.54                   |                       |             |  |  |
| 20              | QPSK       | 50       | 24         | 16.43                  | 16.52                  | 16.44                   | 19.4                  | 0           |  |  |
| 20              | QPSK       | 50       | 99         | 16.41                  | 16.46                  | 16.50                   |                       |             |  |  |
| 20              | QPSK       | 100      | 0          | 16.16                  | 16.41                  | 16.30                   |                       |             |  |  |
| 20              | QPSK       | 100      | 84         | 16.27                  | 16.26                  | 16.26                   |                       |             |  |  |
| 20              | QPSK       | 1        | 99         | 16.37                  | 16.40                  | 16.44                   | 19.4                  | 0           |  |  |
| 20              | QPSK       | 50       | 0          | 16.30                  | 16.25                  | 16.35                   |                       |             |  |  |
| 20              | QPSK       | 50       | 0          | 16.30                  | 16.26                  | 16.36                   |                       |             |  |  |
| 20              | QPSK       | 24       | 0          | 16.41                  | 16.53                  | 16.36                   | 19.4                  | 0           |  |  |
| 20              | QPSK       | 50       | 0          | 16.29                  | 16.29                  | 16.17                   |                       |             |  |  |
| 20              | QPSK       | 100      | 0          | 16.34                  | 16.37                  | 16.22                   |                       |             |  |  |
| 20              | QPSK       | 1        | 99         | 17.08                  | 17.05                  | 17.07                   | 18                    | 1.4         |  |  |
| 20              | QPSK       | 50       | 0          | 17.01                  | 17.03                  | 17.10                   |                       |             |  |  |
| 20              | QPSK       | 50       | 24         | 17.07                  | 17.07                  | 16.98                   | 18                    | 1.4         |  |  |
| 20              | QPSK       | 50       | 99         | 17.00                  | 17.00                  | 17.04                   |                       |             |  |  |
| 20              | QPSK       | 100      | 0          | 16.29                  | 17.03                  | 17.04                   |                       |             |  |  |
| Channel         |            |          |            |                        |                        |                         |                       |             |  |  |
| Frequency (MHz) | Channel    | 1800     | 1800       | 1800                   | 1800                   | 1800                    | Turn-up<br>Time (sec) | MPR<br>(dB) |  |  |
| 15              | QPSK       | 1        | 0          | 16.55                  | 16.63                  | 16.49                   |                       |             |  |  |
| 15              | QPSK       | 1        | 37         | 16.55                  | 16.40                  | 16.29                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 1        | 74         | 16.42                  | 16.39                  | 16.31                   |                       |             |  |  |
| 15              | QPSK       | 36       | 0          | 16.35                  | 16.43                  | 16.41                   |                       |             |  |  |
| 15              | QPSK       | 36       | 0          | 16.32                  | 16.39                  | 16.18                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 36       | 99         | 16.30                  | 16.11                  | 16.22                   |                       |             |  |  |
| 15              | QPSK       | 75       | 0          | 16.30                  | 16.52                  | 16.56                   |                       |             |  |  |
| 15              | QPSK       | 1        | 18         | 16.26                  | 16.18                  | 16.17                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 1        | 37         | 16.20                  | 16.22                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 1        | 99         | 16.17                  | 16.25                  | 16.25                   |                       |             |  |  |
| 15              | QPSK       | 36       | 0          | 16.30                  | 16.37                  | 16.16                   |                       |             |  |  |
| 15              | QPSK       | 36       | 20         | 16.43                  | 16.23                  | 16.37                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 36       | 99         | 16.30                  | 16.26                  | 16.26                   |                       |             |  |  |
| 15              | QPSK       | 75       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 1        | 0          | 16.23                  | 16.16                  | 16.16                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 1        | 37         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 1        | 99         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 36       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 36       | 20         | 16.43                  | 16.23                  | 16.37                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 36       | 99         | 16.30                  | 16.26                  | 16.26                   |                       |             |  |  |
| 15              | QPSK       | 75       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 1        | 0          | 16.23                  | 16.16                  | 16.16                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 1        | 37         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 1        | 99         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 36       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 36       | 20         | 16.43                  | 16.23                  | 16.37                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 36       | 99         | 16.30                  | 16.26                  | 16.26                   |                       |             |  |  |
| 15              | QPSK       | 75       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 1        | 0          | 16.23                  | 16.16                  | 16.16                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 1        | 37         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 1        | 99         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 36       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 36       | 20         | 16.43                  | 16.23                  | 16.37                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 36       | 99         | 16.30                  | 16.26                  | 16.26                   |                       |             |  |  |
| 15              | QPSK       | 75       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 1        | 0          | 16.23                  | 16.16                  | 16.16                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 1        | 37         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 1        | 99         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 36       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 36       | 20         | 16.43                  | 16.23                  | 16.37                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 36       | 99         | 16.30                  | 16.26                  | 16.26                   |                       |             |  |  |
| 15              | QPSK       | 75       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 1        | 0          | 16.23                  | 16.16                  | 16.16                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 1        | 37         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 1        | 99         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 36       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 36       | 20         | 16.43                  | 16.23                  | 16.37                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 36       | 99         | 16.30                  | 16.26                  | 16.26                   |                       |             |  |  |
| 15              | QPSK       | 75       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 1        | 0          | 16.23                  | 16.16                  | 16.16                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 1        | 37         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 1        | 99         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 36       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 36       | 20         | 16.43                  | 16.23                  | 16.37                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 36       | 99         | 16.30                  | 16.26                  | 16.26                   |                       |             |  |  |
| 15              | QPSK       | 75       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 1        | 0          | 16.23                  | 16.16                  | 16.16                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 1        | 37         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 1        | 99         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 36       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 36       | 20         | 16.43                  | 16.23                  | 16.37                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 36       | 99         | 16.30                  | 16.26                  | 16.26                   |                       |             |  |  |
| 15              | QPSK       | 75       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 1        | 0          | 16.23                  | 16.16                  | 16.16                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 1        | 37         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 1        | 99         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 36       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 36       | 20         | 16.43                  | 16.23                  | 16.37                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 36       | 99         | 16.30                  | 16.26                  | 16.26                   |                       |             |  |  |
| 15              | QPSK       | 75       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 1        | 0          | 16.23                  | 16.16                  | 16.16                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 1        | 37         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 1        | 99         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 36       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 36       | 20         | 16.43                  | 16.23                  | 16.37                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 36       | 99         | 16.30                  | 16.26                  | 16.26                   |                       |             |  |  |
| 15              | QPSK       | 75       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 1        | 0          | 16.23                  | 16.16                  | 16.16                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 1        | 37         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 1        | 99         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 36       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 36       | 20         | 16.43                  | 16.23                  | 16.37                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 36       | 99         | 16.30                  | 16.26                  | 16.26                   |                       |             |  |  |
| 15              | QPSK       | 75       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 1        | 0          | 16.23                  | 16.16                  | 16.16                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 1        | 37         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 1        | 99         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 36       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 36       | 20         | 16.43                  | 16.23                  | 16.37                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 36       | 99         | 16.30                  | 16.26                  | 16.26                   |                       |             |  |  |
| 15              | QPSK       | 75       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 1        | 0          | 16.23                  | 16.16                  | 16.16                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 1        | 37         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 1        | 99         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 36       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 36       | 20         | 16.43                  | 16.23                  | 16.37                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 36       | 99         | 16.30                  | 16.26                  | 16.26                   |                       |             |  |  |
| 15              | QPSK       | 75       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 1        | 0          | 16.23                  | 16.16                  | 16.16                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 1        | 37         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 1        | 99         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 36       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 36       | 20         | 16.43                  | 16.23                  | 16.37                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 36       | 99         | 16.30                  | 16.26                  | 16.26                   |                       |             |  |  |
| 15              | QPSK       | 75       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 1        | 0          | 16.23                  | 16.16                  | 16.16                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 1        | 37         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 1        | 99         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 36       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 36       | 20         | 16.43                  | 16.23                  | 16.37                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 36       | 99         | 16.30                  | 16.26                  | 16.26                   |                       |             |  |  |
| 15              | QPSK       | 75       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 1        | 0          | 16.23                  | 16.16                  | 16.16                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 1        | 37         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 1        | 99         | 16.23                  | 16.23                  | 16.23                   |                       |             |  |  |
| 15              | QPSK       | 36       | 0          | 16.11                  | 16.26                  | 16.20                   |                       |             |  |  |
| 15              | QPSK       | 36       | 20         | 16.43                  | 16.23                  | 16.37                   | 19.4                  | 0           |  |  |
| 15              | QPSK       | 36       | 99         | 16.30                  | 16.26                  | 16.26                   |                       |             |  |  |
| 15              | QPSK       | 75       | 0          | 16.11                  | 16.26                  |                         |                       |             |  |  |

| Band 25 Ant 4   |            |         |           |                           |                              |                            |               |          |      |  |
|-----------------|------------|---------|-----------|---------------------------|------------------------------|----------------------------|---------------|----------|------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch./Freq. 26145 | Power Middle Ch./Freq. 26146 | Power High Ch./Freq. 26147 | Time-up (sec) | MPE (dB) |      |  |
| Channel         |            |         |           |                           |                              |                            |               |          |      |  |
| Frequency (MHz) |            |         |           |                           |                              |                            |               |          |      |  |
| 20              | QPSK       | 1       | 0         | 18.68                     | 18.76                        | 18.71                      |               |          | 19.4 |  |
| 20              | QPSK       | 1       | 49        | 18.38                     | 18.52                        | 18.53                      |               |          |      |  |
| 20              | QPSK       | 1       | 99        | 18.38                     | 18.48                        | 18.48                      |               |          |      |  |
| 20              | QPSK       | 50      | 0         | 18.66                     | 18.60                        | 18.58                      |               |          |      |  |
| 20              | QPSK       | 50      | 24        | 18.33                     | 18.51                        | 18.31                      |               |          | 19.4 |  |
| 20              | QPSK       | 50      | 50        | 18.45                     | 18.34                        | 18.44                      |               |          |      |  |
| 20              | QPSK       | 100     | 0         | 18.63                     | 18.70                        | 18.69                      |               |          |      |  |
| 20              | 16QAM      | 1       | 0         | 18.36                     | 18.31                        | 18.34                      |               |          |      |  |
| 20              | 16QAM      | 1       | 49        | 18.40                     | 18.38                        | 18.44                      |               |          | 19.4 |  |
| 20              | 16QAM      | 1       | 99        | 18.48                     | 18.60                        | 18.57                      |               |          |      |  |
| 20              | 16QAM      | 50      | 0         | 18.38                     | 18.45                        | 18.36                      |               |          |      |  |
| 20              | 16QAM      | 50      | 24        | 18.54                     | 18.32                        | 18.51                      |               |          |      |  |
| 20              | 16QAM      | 50      | 50        | 18.93                     | 18.56                        | 18.55                      |               |          | 19.4 |  |
| 20              | 16QAM      | 100     | 0         | 18.21                     | 18.48                        | 18.38                      |               |          |      |  |
| 20              | 64QAM      | 1       | 0         | 18.38                     | 18.37                        | 18.35                      |               |          |      |  |
| 20              | 64QAM      | 1       | 49        | 18.47                     | 18.54                        | 18.50                      |               |          |      |  |
| 20              | 64QAM      | 50      | 0         | 18.28                     | 18.31                        | 18.31                      |               |          | 19.4 |  |
| 20              | 64QAM      | 50      | 0         | 18.43                     | 18.32                        | 18.46                      |               |          |      |  |
| 20              | 64QAM      | 50      | 24        | 18.52                     | 18.69                        | 18.43                      |               |          |      |  |
| 20              | 64QAM      | 100     | 0         | 18.44                     | 18.47                        | 18.28                      |               |          |      |  |
| 20              | 256QAM     | 1       | 0         | 17.09                     | 17.09                        | 16.82                      |               |          | 18   |  |
| 20              | 256QAM     | 1       | 49        | 16.97                     | 17.09                        | 16.82                      |               |          |      |  |
| 20              | 256QAM     | 1       | 99        | 17.06                     | 16.94                        | 16.96                      |               |          |      |  |
| 20              | 256QAM     | 50      | 0         | 16.94                     | 16.96                        | 17.00                      |               |          |      |  |
| 20              | 256QAM     | 50      | 24        | 16.94                     | 16.86                        | 16.78                      |               |          | 18   |  |
| 20              | 256QAM     | 50      | 50        | 16.97                     | 16.90                        | 17.01                      |               |          |      |  |
| 20              | 256QAM     | 100     | 0         | 16.97                     | 17.00                        | 16.82                      |               |          |      |  |
| Time-up         |            |         |           |                           |                              |                            |               |          |      |  |
| Imp. (dB)       |            |         |           |                           |                              |                            |               |          |      |  |
| MPE (dB)        |            |         |           |                           |                              |                            |               |          |      |  |
| Channel         |            |         |           |                           |                              |                            |               |          |      |  |
| Frequency (MHz) |            |         |           |                           |                              |                            |               |          |      |  |
| 18              | QPSK       | 1       | 0         | 18.87                     | 18.86                        | 18.97                      |               |          | 19.4 |  |
| 18              | QPSK       | 1       | 49        | 18.60                     | 18.58                        | 18.58                      |               |          |      |  |
| 18              | QPSK       | 1       | 74        | 18.34                     | 18.44                        | 18.52                      |               |          |      |  |
| 18              | QPSK       | 36      | 0         | 18.29                     | 18.54                        | 18.43                      |               |          |      |  |
| 18              | QPSK       | 36      | 24        | 18.18                     | 18.38                        | 18.11                      |               |          | 19.4 |  |
| 18              | QPSK       | 36      | 39        | 18.31                     | 18.22                        | 18.31                      |               |          |      |  |
| 18              | QPSK       | 75      | 0         | 18.64                     | 18.96                        | 18.82                      |               |          |      |  |
| 18              | 16QAM      | 1       | 0         | 18.23                     | 18.11                        | 18.31                      |               |          |      |  |
| 18              | 16QAM      | 1       | 37        | 18.21                     | 18.23                        | 18.34                      |               |          | 19.4 |  |
| 18              | 16QAM      | 1       | 74        | 18.29                     | 18.29                        | 18.40                      |               |          |      |  |
| 18              | 16QAM      | 36      | 0         | 18.21                     | 18.42                        | 18.22                      |               |          |      |  |
| 18              | 16QAM      | 36      | 20        | 18.43                     | 18.19                        | 18.47                      |               |          |      |  |
| 18              | 16QAM      | 36      | 39        | 18.44                     | 18.24                        | 18.48                      |               |          | 19.4 |  |
| 18              | 16QAM      | 75      | 0         | 18.03                     | 18.31                        | 18.23                      |               |          |      |  |
| 18              | 64QAM      | 1       | 0         | 18.20                     | 18.37                        | 18.19                      |               |          |      |  |
| 18              | 64QAM      | 1       | 0         | 18.44                     | 18.27                        | 18.13                      |               |          |      |  |
| 18              | 64QAM      | 1       | 74        | 18.21                     | 18.28                        | 18.16                      |               |          | 19.4 |  |
| 18              | 64QAM      | 36      | 0         | 18.26                     | 18.30                        | 18.27                      |               |          |      |  |
| 18              | 64QAM      | 36      | 20        | 18.44                     | 18.34                        | 18.61                      |               |          |      |  |
| 18              | 64QAM      | 36      | 39        | 18.21                     | 18.29                        | 18.22                      |               |          |      |  |
| 18              | 64QAM      | 75      | 0         | 18.26                     | 18.43                        | 18.36                      |               |          | 18   |  |
| 18              | 256QAM     | 1       | 0         | 17.09                     | 17.09                        | 16.82                      |               |          |      |  |
| 18              | 256QAM     | 1       | 37        | 17.08                     | 17.02                        | 16.81                      |               |          |      |  |
| 18              | 256QAM     | 1       | 74        | 16.90                     | 17.06                        | 17.08                      |               |          |      |  |
| 18              | 256QAM     | 36      | 0         | 16.84                     | 16.96                        | 16.98                      |               |          | 18   |  |
| 18              | 256QAM     | 36      | 20        | 16.98                     | 17.08                        | 16.80                      |               |          |      |  |
| 18              | 256QAM     | 36      | 39        | 17.00                     | 16.92                        | 16.98                      |               |          |      |  |
| 18              | 256QAM     | 75      | 0         | 16.98                     | 16.98                        | 16.93                      |               |          |      |  |
| Time-up         |            |         |           |                           |                              |                            |               |          |      |  |
| Imp. (dB)       |            |         |           |                           |                              |                            |               |          |      |  |
| MPE (dB)        |            |         |           |                           |                              |                            |               |          |      |  |
| Channel         |            |         |           |                           |                              |                            |               |          |      |  |
| Frequency (MHz) |            |         |           |                           |                              |                            |               |          |      |  |
| 18              | QPSK       | 1       | 0         | 18.55                     | 18.50                        | 18.50                      |               |          | 19.4 |  |
| 18              | QPSK       | 1       | 25        | 18.16                     | 18.41                        | 18.28                      |               |          |      |  |
| 18              | QPSK       | 1       | 49        | 18.55                     | 18.28                        | 18.41                      |               |          |      |  |
| 18              | QPSK       | 25      | 0         | 18.27                     | 18.49                        | 18.39                      |               |          |      |  |
| 18              | QPSK       | 25      | 12        | 18.19                     | 18.48                        | 18.25                      |               |          | 19.4 |  |
| 18              | QPSK       | 25      | 25        | 18.23                     | 18.29                        | 18.35                      |               |          |      |  |
| 18              | QPSK       | 100     | 0         | 18.48                     | 18.38                        | 18.38                      |               |          |      |  |
| 18              | 16QAM      | 1       | 0         | 18.18                     | 18.20                        | 18.20                      |               |          |      |  |
| 18              | 16QAM      | 1       | 25        | 18.23                     | 18.22                        | 18.45                      |               |          | 19.4 |  |
| 18              | 16QAM      | 1       | 49        | 18.17                     | 18.20                        | 17.99                      |               |          |      |  |
| 18              | 16QAM      | 25      | 0         | 18.29                     | 18.10                        | 18.45                      |               |          |      |  |
| 18              | 16QAM      | 25      | 12        | 18.27                     | 18.30                        | 18.45                      |               |          |      |  |
| 18              | 16QAM      | 25      | 25        | 18.28                     | 18.38                        | 18.26                      |               |          | 19.4 |  |
| 18              | 16QAM      | 50      | 0         | 18.40                     | 18.37                        | 18.26                      |               |          |      |  |
| 18              | 256QAM     | 1       | 0         | 16.90                     | 16.90                        | 16.82                      |               |          |      |  |
| 18              | 256QAM     | 1       | 25        | 17.11                     | 17.03                        | 16.81                      |               |          |      |  |
| 18              | 256QAM     | 1       | 49        | 16.93                     | 16.99                        | 17.06                      |               |          | 18   |  |
| 18              | 256QAM     | 25      | 0         | 16.81                     | 16.82                        | 16.82                      |               |          |      |  |
| 18              | 256QAM     | 25      | 12        | 16.98                     | 17.07                        | 16.78                      |               |          |      |  |
| 18              | 256QAM     | 25      | 25        | 17.00                     | 16.96                        | 16.88                      |               |          |      |  |
| 18              | 256QAM     | 50      | 0         | 16.84                     | 17.05                        | 16.90                      |               |          |      |  |
| Time-up         |            |         |           |                           |                              |                            |               |          |      |  |
| Imp. (dB)       |            |         |           |                           |                              |                            |               |          |      |  |
| MPE (dB)        |            |         |           |                           |                              |                            |               |          |      |  |
| Channel         |            |         |           |                           |                              |                            |               |          |      |  |
| Frequency (MHz) |            |         |           |                           |                              |                            |               |          |      |  |
| 3               | QPSK       | 1       | 0         | 18.53                     | 18.49                        | 18.49                      |               |          | 19.4 |  |
| 3               | QPSK       | 1       | 12        | 18.19                     | 18.46                        | 18.22                      |               |          |      |  |
| 3               | QPSK       | 1       | 24        | 18.55                     | 18.44                        | 18.30                      |               |          |      |  |
| 3               | QPSK       | 12      | 0         | 18.27                     | 18.49                        | 18.39                      |               |          |      |  |
| 3               | QPSK       | 12      | 7         | 18.30                     | 18.30                        | 18.19                      |               |          | 19.4 |  |
| 3               | QPSK       | 12      | 13        | 18.34                     | 18.34                        | 18.23                      |               |          |      |  |
| 3               | QPSK       | 16      | 0         | 18.22                     | 18.30                        | 18.19                      |               |          |      |  |
| 3               | QPSK       | 16      | 0         | 18.40                     | 18.37                        | 18.35                      |               |          |      |  |
| 3               | 16QAM      | 1       | 0         | 18.23                     | 18.30                        | 18.19                      |               |          | 19.4 |  |
| 3               | 16QAM      | 1       | 12        | 18.29                     | 18.29                        | 18.40                      |               |          |      |  |
| 3               | 16QAM      | 12      | 0         | 18.20                     | 18.45                        | 18.22                      |               |          |      |  |
| 3               | 16QAM      | 12      | 13        | 18.36                     | 18.51                        | 18.55                      |               |          |      |  |
| 3               | 16QAM      | 12      | 0         | 18.29                     | 18.40                        | 18.34                      |               |          | 19.4 |  |
| 3               | 16QAM      | 25      | 0         | 18.20                     | 18.45                        | 18.22                      |               |          |      |  |
| 3               | 16QAM      | 25      | 0         | 18.00                     | 18.45                        | 18.20                      |               |          |      |  |
| 3               | 16QAM      | 25      | 12        | 18.27                     | 18.30                        | 18.45                      |               |          |      |  |
| 3               | 16QAM      | 1       | 12        | 18.41                     | 18.36                        | 18.37                      |               |          | 19.4 |  |
| 3               | 16QAM      | 1       | 24        | 18.05                     | 18.12                        | 18.05                      |               |          |      |  |
| 3               | 16QAM      | 12      | 0         | 18.22                     | 18.32                        | 18.22                      |               |          |      |  |
| 3               | 16QAM      | 12      | 7         | 18.36                     | 18.34                        | 18.38                      |               |          |      |  |
| 3               | 16QAM      | 12      | 13        | 18.30                     | 18.48                        | 18.39                      |               |          | 19.4 |  |
| 3               | 16QAM      | 25      | 0         | 18.44                     | 18.47                        | 18.42                      |               |          |      |  |
| 3               | 16QAM      | 25      | 0         | 18.06                     | 18.45                        | 18.20                      |               |          |      |  |
| 3               | 16QAM      | 25      | 12        | 18.17                     | 17.03                        | 18.05                      |               |          |      |  |
| 3               | 16QAM      | 1       | 12        | 17.83                     | 17.82                        | 17.82                      |               |          | 18   |  |
| 3               | 16QAM      | 1       | 12        | 17.83                     | 17.82                        | 17.82                      |               |          |      |  |
| 3               | 16QAM      | 12      | 0         | 17.11                     | 16.87                        | 17.01                      |               |          |      |  |
| 3               | 16QAM      | 12      | 7         | 17.14                     | 17.03                        | 16.88                      |               |          |      |  |
| 3               | 16QAM      | 1       | 12        | 16.93                     | 16.93                        | 16.93                      |               |          | 18   |  |
| 3               | 16QAM      | 1       | 12        | 16.93                     | 16.93                        | 16.93                      |               |          |      |  |
| 3               | 16QAM      | 12      | 0         | 16.86                     | 16.86                        | 17.01                      |               |          |      |  |
| 3               | 16QAM      | 12      | 7         | 17.05                     | 16.98                        | 17.00                      |               |          |      |  |
| 3               | 16QAM      | 12      | 13        | 17.02                     | 17.19                        | 17.09                      |               |          | 18   |  |
| 3               | 16QAM      | 25      | 0         | 16.93                     | 17.15                        | 16.81                      |               |          |      |  |
| Time-up         |            |         |           |                           |                              |                            |               |          |      |  |
| Imp. (dB)       |            |         |           |                           |                              |                            |               |          |      |  |
| MPE (dB)        |            |         |           |                           |                              |                            |               |          |      |  |
| Channel         |            |         |           |                           |                              |                            |               |          |      |  |
| Frequency (MHz) |            |         |           |                           |                              |                            |               |          |      |  |
| 3               | QPSK       | 1       | 0         | 18.51                     | 18.66                        | 18.50                      |               |          | 19.4 |  |
| 3               | QPSK       | 1       | 8         | 18.33                     | 18.36                        | 18.28                      |               |          |      |  |
| 3               | QPSK       | 1       | 16        | 18.53                     | 18.46                        | 18.48                      |               |          |      |  |
| 3               | QPSK       | 8       | 0         | 18.42                     | 18.47                        | 18.46                      |               |          |      |  |
| 3               | QPSK       | 8       | 4         | 18.17                     | 18.32                        | 18.19                      |               |          | 19.4 |  |
| 3               | QPSK       | 8       | 14        | 18.14                     | 18.31                        | 18.19                      |               |          |      |  |
| 3               | QPSK       | 16      | 0         | 18.61                     | 18.57                        | 18.58                      |               |          |      |  |
| 3               | QPSK       | 16      | 0         | 18.22                     | 18.31                        | 18.21                      |               |          |      |  |
| 3               | 16QAM      | 1       | 0         | 18.20                     | 18.32                        | 18.20                      |               |          | 19.4 |  |
| 3               | 16QAM      | 1       | 14        | 18.33                     | 18.44                        | 18.40                      |               |          |      |  |
| 3               | 16QAM      | 8       | 0         | 18.43                     | 18.43                        | 18.43                      |               |          |      |  |
| 3               | 16QAM      | 8       | 4         | 18.17                     | 18.38                        | 18.19                      |               |          |      |  |
| 3               | 16QAM      | 8       | 7         | 18.38                     | 18.54                        | 18.42                      |               |          | 19.4 |  |
| 3               | 16QAM      | 16      | 0         | 18.40                     | 18.40                        | 18.40                      |               |          |      |  |
| 3               | 16QAM      | 1       | 0         | 18.25                     | 18.16                        | 18.21                      |               |          |      |  |
| 3               | 16QAM      | 1       | 8         | 18.38                     | 18.37                        | 18.33                      |               |          |      |  |
| 3               | 16QAM      | 1       | 8         | 18.38                     | 18.37                        | 18.33                      |               |          | 19.4 |  |
| 3               | 16QAM      | 8       | 4         | 18.37                     | 18.60                        | 18.42                      |               |          |      |  |
| 3               | 16QAM      | 8       | 4         | 18.33                     | 18.13                        | 18.33                      |               |          |      |  |
| 3               | 16QAM      | 8       | 4         | 18.37                     | 18.60                        | 18.42                      |               |          |      |  |
| 3               | 16QAM      | 16      | 0         | 18.31                     | 18.30                        | 18.12                      |               |          | 19.4 |  |
| 3               | 16QAM      | 16      | 0         | 18.67                     | 17.03                        | 18.63                      |               |          |      |  |
| 3               | 16QAM      | 1       | 0         | 18.17                     | 17.09                        | 16.90                      |               |          |      |  |
| 3               | 16QAM      | 1       | 14        | 17.07                     | 17.07                        | 16.87                      |               |          |      |  |
| 3               | 16QAM      | 8       | 0         | 16.93                     | 16.91                        | 17.12                      |               |          | 18   |  |
| 3               | 16QAM      | 8       | 7         | 17.05                     | 16.95                        | 16.93                      |               |          |      |  |
| 3               | 16QAM      | 8       | 7         | 17.02                     | 17.00                        | 16.83                      |               |          |      |  |
| 3               | 16QAM      | 8       | 7         | 17.02                     | 17.00                        | 16.83                      |               |          |      |  |
| 3               | 256QAM     | 15      | 0         | 16.98                     | 17.06                        | 16.82                      |               |          | 18   |  |
| Time-up         |            |         |           |                           |                              |                            |               |          |      |  |
| Imp. (dB)       |            |         |           |                           |                              |                            |               |          |      |  |
| MPE (dB)        |            |         |           |                           |                              |                            |               |          |      |  |
| Channel         |            |         |           |                           |                              |                            |               |          |      |  |
| Frequency (MHz) |            |         |           |                           |                              |                            |               |          |      |  |
| 1.4             | QPSK       | 1       | 0         | 18.51                     | 18.75                        | 18.56                      |               |          | 19.4 |  |
| 1.4             | QPSK       | 1       | 8         | 18.33                     | 18.36                        | 18.28                      |               |          |      |  |
| 1.4             | QPSK       | 1       | 16        | 18.53                     | 18.46                        | 18.48                      |               |          |      |  |
| 1.4             | QPSK       | 8       | 0         | 18.42                     | 18.38                        | 18.45                      |               |          |      |  |
| 1.4             | QPSK       | 8       | 4         | 18.36                     | 18.51                        | 18.46                      |               |          | 19.4 |  |
| 1.4             | QPSK       | 8       | 4         | 18.42                     | 18.42                        | 18.42                      |               |          |      |  |
| 1.4             | QPSK       | 3       | 0         | 18.25                     | 18.25                        | 18.27                      |               |          |      |  |
| 1.4             | QPSK       | 3       | 0         | 18.48                     | 18.40                        | 18.53                      |               |          |      |  |
| 1.4             | QPSK       | 3       | 0         | 18.47                     | 18.47                        | 18.47                      |               |          | 19.4 |  |
| 1.4             | QPSK       | 3       | 0         | 18.36                     | 18.20                        | 18.25                      |               |          |      |  |
| 1.4             | QPSK       | 3       | 0         | 18.28                     | 18.43                        | 18.40                      |               |          |      |  |
| 1.4             | QPSK       | 3       | 0         | 18.17                     | 18.44                        | 18.43                      |               |          |      |  |
| 1.4             | QPSK       | 3       | 0         | 18.46                     | 18.33                        | 18.26                      |               |          | 19.4 |  |
| 1.4             | QPSK       | 3       | 0         | 18.43                     | 18.50                        | 18.41                      |               |          |      |  |
| 1.4             | QPSK       | 3       | 0         | 18.27                     | 18.24                        | 18.26                      |               |          |      |  |
| 1.4             | QPSK       | 3       | 0         | 18.25                     | 18.25                        | 18.19                      |               |          |      |  |
| 1.4             | QPSK       | 3       | 0         | 18.35                     | 18.33                        | 18.30                      |               |          | 19.4 |  |
| 1.4             | QPSK       | 3       | 0         | 18.27                     | 18.27                        | 18.27                      |               |          |      |  |
| 1.4             | QPSK       | 3       | 0         | 18.32                     | 18.43                        | 18.18                      |               |          |      |  |
| 1.4             | QPSK       | 3       | 0         | 18.25                     | 18.33                        | 18.30                      |               |          |      |  |
| 1.4             | QPSK       | 3       | 0         | 18.50                     | 18.50                        | 18.50                      |               |          | 18   |  |
| 1.4             | QPSK       | 3       | 0         | 17.10                     | 17.07                        | 16.93                      |               |          |      |  |
| 1.4             | QPSK       |         |           |                           |                              |                            |               |          |      |  |

| Band 38 Ant 4   |            |         |           |                       |                          |                        |                     |          |     |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel         |            |         |           | 37650                 | 38000                    | 38150                  | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |     |
| 20              | QPSK       | 1       | 0         | 18.48                 | 18.53                    | 18.51                  | 19.5                | 0        | 0   |
| 20              | QPSK       | 1       | 49        | 18.36                 | 18.44                    | 18.40                  |                     |          |     |
| 20              | QPSK       | 1       | 99        | 18.45                 | 18.46                    | 18.47                  |                     |          |     |
| 20              | QPSK       | 50      | 0         | 18.48                 | 18.50                    | 18.42                  | 19.5                | 0        | 0   |
| 20              | QPSK       | 50      | 24        | 18.37                 | 18.43                    | 18.46                  |                     |          |     |
| 20              | QPSK       | 50      | 50        | 18.45                 | 18.45                    | 18.41                  |                     |          |     |
| 20              | QPSK       | 100     | 0         | 18.41                 | 18.49                    | 18.45                  | 19.5                | 0        | 0   |
| 20              | 16QAM      | 1       | 0         | 18.46                 | 18.42                    | 18.40                  |                     |          |     |
| 20              | 16QAM      | 1       | 49        | 18.41                 | 18.47                    | 18.38                  |                     |          |     |
| 20              | 16QAM      | 1       | 99        | 18.43                 | 18.49                    | 18.44                  | 19.5                | 0        | 0   |
| 20              | 16QAM      | 50      | 0         | 18.39                 | 18.44                    | 18.40                  |                     |          |     |
| 20              | 16QAM      | 50      | 24        | 18.42                 | 18.50                    | 18.44                  |                     |          |     |
| 20              | 16QAM      | 50      | 50        | 18.44                 | 18.49                    | 18.46                  | 19.5                | 0        | 0   |
| 20              | 16QAM      | 100     | 0         | 18.36                 | 18.43                    | 18.44                  |                     |          |     |
| 20              | 64QAM      | 1       | 0         | 18.41                 | 18.46                    | 18.43                  | 19.5                | 0        | 0   |
| 20              | 64QAM      | 1       | 49        | 18.38                 | 18.38                    | 18.48                  |                     |          |     |
| 20              | 64QAM      | 1       | 99        | 18.49                 | 18.43                    | 18.40                  |                     |          |     |
| 20              | 64QAM      | 50      | 0         | 18.43                 | 18.52                    | 18.43                  | 19.5                | 0        | 0   |
| 20              | 64QAM      | 50      | 24        | 18.43                 | 18.49                    | 18.38                  |                     |          |     |
| 20              | 64QAM      | 50      | 50        | 18.39                 | 18.45                    | 18.43                  |                     |          |     |
| 20              | 64QAM      | 100     | 0         | 18.46                 | 18.46                    | 18.45                  | 19.5                | 0        | 0   |
| 20              | 256QAM     | 1       | 0         | 17.49                 | 17.61                    | 17.45                  |                     |          |     |
| 20              | 256QAM     | 1       | 49        | 17.58                 | 17.72                    | 17.37                  |                     |          |     |
| 20              | 256QAM     | 1       | 99        | 17.50                 | 17.66                    | 17.57                  | 19                  | 0.5      | 0.5 |
| 20              | 256QAM     | 50      | 0         | 17.36                 | 17.58                    | 17.49                  |                     |          |     |
| 20              | 256QAM     | 50      | 24        | 17.40                 | 17.60                    | 17.49                  |                     |          |     |
| 20              | 256QAM     | 50      | 50        | 17.55                 | 17.78                    | 17.43                  | 19                  | 0.5      | 0.5 |
| 20              | 256QAM     | 100     | 0         | 17.51                 | 17.72                    | 17.51                  |                     |          |     |
| Channel         |            |         |           | 37625                 | 38000                    | 38175                  | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |     |
| 15              | QPSK       | 1       | 0         | 18.40                 | 18.50                    | 18.36                  | 19.5                | 0        | 0   |
| 15              | QPSK       | 1       | 37        | 18.42                 | 18.46                    | 18.38                  |                     |          |     |
| 15              | QPSK       | 1       | 74        | 18.45                 | 18.47                    | 18.46                  |                     |          |     |
| 15              | QPSK       | 36      | 0         | 18.36                 | 18.48                    | 18.49                  | 19.5                | 0        | 0   |
| 15              | QPSK       | 36      | 20        | 18.45                 | 18.41                    | 18.47                  |                     |          |     |
| 15              | QPSK       | 36      | 39        | 18.47                 | 18.39                    | 18.38                  |                     |          |     |
| 15              | QPSK       | 75      | 0         | 18.42                 | 18.41                    | 18.37                  | 19.5                | 0        | 0   |
| 15              | 16QAM      | 1       | 0         | 18.41                 | 18.39                    | 18.42                  |                     |          |     |
| 15              | 16QAM      | 1       | 37        | 18.36                 | 18.46                    | 18.38                  |                     |          |     |
| 15              | 16QAM      | 1       | 74        | 18.49                 | 18.49                    | 18.47                  | 19.5                | 0        | 0   |
| 15              | 16QAM      | 36      | 0         | 18.41                 | 18.47                    | 18.48                  |                     |          |     |
| 15              | 16QAM      | 36      | 20        | 18.42                 | 18.45                    | 18.38                  |                     |          |     |
| 15              | 16QAM      | 36      | 39        | 18.41                 | 18.43                    | 18.39                  | 19.5                | 0        | 0   |
| 15              | 16QAM      | 75      | 0         | 18.37                 | 18.45                    | 18.43                  |                     |          |     |
| 15              | 64QAM      | 1       | 37        | 18.49                 | 18.43                    | 18.44                  |                     |          |     |
| 15              | 64QAM      | 1       | 74        | 18.36                 | 18.39                    | 18.38                  | 19.5                | 0        | 0   |
| 15              | 64QAM      | 36      | 0         | 18.48                 | 18.50                    | 18.50                  |                     |          |     |
| 15              | 64QAM      | 36      | 20        | 18.41                 | 18.51                    | 18.41                  |                     |          |     |
| 15              | 64QAM      | 36      | 39        | 18.41                 | 18.52                    | 18.42                  | 19.5                | 0        | 0   |
| 15              | 64QAM      | 75      | 0         | 18.38                 | 18.43                    | 18.44                  |                     |          |     |
| 15              | 256QAM     | 1       | 0         | 17.34                 | 17.50                    | 17.32                  |                     |          |     |
| 15              | 256QAM     | 1       | 37        | 17.49                 | 17.61                    | 17.36                  | 19                  | 0.5      | 0.5 |
| 15              | 256QAM     | 1       | 74        | 17.42                 | 17.56                    | 17.40                  |                     |          |     |
| 15              | 256QAM     | 36      | 0         | 17.44                 | 17.54                    | 17.45                  |                     |          |     |
| 15              | 256QAM     | 36      | 20        | 17.31                 | 17.45                    | 17.49                  | 19                  | 0.5      | 0.5 |
| 15              | 256QAM     | 36      | 39        | 17.49                 | 17.79                    | 17.43                  |                     |          |     |
| 15              | 256QAM     | 75      | 0         | 17.46                 | 17.72                    | 17.35                  |                     |          |     |
| Channel         |            |         |           | 37600                 | 38000                    | 38200                  | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |     |
| 10              | QPSK       | 1       | 0         | 18.37                 | 18.48                    | 18.42                  | 19.5                | 0        | 0   |
| 10              | QPSK       | 1       | 25        | 18.43                 | 18.40                    | 18.44                  |                     |          |     |
| 10              | QPSK       | 1       | 49        | 18.38                 | 18.40                    | 18.40                  |                     |          |     |
| 10              | QPSK       | 25      | 0         | 18.37                 | 18.39                    | 18.42                  | 19.5                | 0        | 0   |
| 10              | QPSK       | 25      | 12        | 18.44                 | 18.50                    | 18.47                  |                     |          |     |
| 10              | QPSK       | 25      | 25        | 18.48                 | 18.51                    | 18.42                  |                     |          |     |
| 10              | QPSK       | 50      | 0         | 18.47                 | 18.51                    | 18.41                  | 19.5                | 0        | 0   |
| 10              | 16QAM      | 1       | 0         | 18.36                 | 18.46                    | 18.38                  |                     |          |     |
| 10              | 16QAM      | 1       | 25        | 18.44                 | 18.45                    | 18.42                  |                     |          |     |
| 10              | 16QAM      | 1       | 49        | 18.38                 | 18.48                    | 18.43                  | 19.5                | 0        | 0   |
| 10              | 16QAM      | 25      | 0         | 18.46                 | 18.50                    | 18.42                  |                     |          |     |
| 10              | 16QAM      | 25      | 12        | 18.37                 | 18.49                    | 18.43                  |                     |          |     |
| 10              | 16QAM      | 25      | 25        | 18.43                 | 18.39                    | 18.46                  | 19.5                | 0        | 0   |
| 10              | 16QAM      | 50      | 0         | 18.45                 | 18.48                    | 18.44                  |                     |          |     |
| 10              | 64QAM      | 1       | 0         | 18.46                 | 18.46                    | 18.38                  |                     |          |     |
| 10              | 64QAM      | 1       | 25        | 18.36                 | 18.50                    | 18.36                  | 19.5                | 0        | 0   |
| 10              | 64QAM      | 1       | 49        | 18.36                 | 18.44                    | 18.46                  |                     |          |     |
| 10              | 64QAM      | 25      | 0         | 18.46                 | 18.50                    | 18.45                  |                     |          |     |
| 10              | 64QAM      | 25      | 12        | 18.44                 | 18.47                    | 18.43                  | 19.5                | 0        | 0   |
| 10              | 64QAM      | 25      | 25        | 18.47                 | 18.42                    | 18.46                  |                     |          |     |
| 10              | 64QAM      | 50      | 0         | 18.37                 | 18.50                    | 18.44                  |                     |          |     |
| 10              | 256QAM     | 1       | 0         | 17.39                 | 17.42                    | 17.26                  | 19                  | 0.5      | 0.5 |
| 10              | 256QAM     | 1       | 25        | 17.43                 | 17.71                    | 17.30                  |                     |          |     |
| 10              | 256QAM     | 1       | 49        | 17.48                 | 17.52                    | 17.47                  |                     |          |     |
| 10              | 256QAM     | 25      | 0         | 17.38                 | 17.60                    | 17.37                  | 19                  | 0.5      | 0.5 |
| 10              | 256QAM     | 25      | 12        | 17.21                 | 17.57                    | 17.38                  |                     |          |     |
| 10              | 256QAM     | 25      | 25        | 17.52                 | 17.68                    | 17.34                  |                     |          |     |
| 10              | 256QAM     | 50      | 0         | 17.48                 | 17.70                    | 17.35                  | Tune-up limit (dBm) | MPR (dB) |     |
| Channel         |            |         |           | 37775                 | 38000                    | 38225                  |                     |          |     |
| Frequency (MHz) |            |         |           | 2572.5                | 2595                     | 2617.5                 | Tune-up limit (dBm) | MPR (dB) |     |
| 5               | QPSK       | 1       | 0         | 18.35                 | 18.46                    | 18.43                  |                     |          |     |
| 5               | QPSK       | 1       | 12        | 18.38                 | 18.43                    | 18.50                  | 19.5                | 0        | 0   |
| 5               | QPSK       | 1       | 24        | 18.48                 | 18.41                    | 18.40                  |                     |          |     |
| 5               | QPSK       | 12      | 0         | 18.39                 | 18.39                    | 18.41                  |                     |          |     |
| 5               | QPSK       | 12      | 7         | 18.49                 | 18.48                    | 18.36                  | 19.5                | 0        | 0   |
| 5               | QPSK       | 12      | 13        | 18.42                 | 18.40                    | 18.41                  |                     |          |     |
| 5               | QPSK       | 25      | 0         | 18.48                 | 18.45                    | 18.39                  |                     |          |     |
| 5               | 16QAM      | 1       | 0         | 18.47                 | 18.47                    | 18.49                  | 19.5                | 0        | 0   |
| 5               | 16QAM      | 1       | 12        | 18.43                 | 18.44                    | 18.38                  |                     |          |     |
| 5               | 16QAM      | 1       | 24        | 18.46                 | 18.49                    | 18.37                  |                     |          |     |
| 5               | 16QAM      | 12      | 0         | 18.48                 | 18.44                    | 18.47                  | 19.5                | 0        | 0   |
| 5               | 16QAM      | 12      | 7         | 18.39                 | 18.46                    | 18.47                  |                     |          |     |
| 5               | 16QAM      | 12      | 13        | 18.45                 | 18.51                    | 18.44                  |                     |          |     |
| 5               | 16QAM      | 25      | 0         | 18.39                 | 18.49                    | 18.45                  | 19.5                | 0        | 0   |
| 5               | 64QAM      | 1       | 0         | 18.46                 | 18.44                    | 18.38                  |                     |          |     |
| 5               | 64QAM      | 1       | 12        | 18.47                 | 18.51                    | 18.41                  |                     |          |     |
| 5               | 64QAM      | 1       | 24        | 18.37                 | 18.43                    | 18.39                  | 19.5                | 0        | 0   |
| 5               | 64QAM      | 12      | 0         | 18.40                 | 18.39                    | 18.37                  |                     |          |     |
| 5               | 64QAM      | 12      | 7         | 18.35                 | 18.44                    | 18.38                  |                     |          |     |
| 5               | 64QAM      | 12      | 13        | 18.47                 | 18.44                    | 18.49                  | 19.5                | 0        | 0   |
| 5               | 64QAM      | 25      | 0         | 18.45                 | 18.46                    | 18.41                  |                     |          |     |
| 5               | 256QAM     | 1       | 0         | 17.27                 | 17.59                    | 17.47                  |                     |          |     |
| 5               | 256QAM     | 1       | 12        | 17.52                 | 17.62                    | 17.28                  | 19                  | 0.5      | 0.5 |
| 5               | 256QAM     | 1       | 24        | 17.38                 | 17.45                    | 17.57                  |                     |          |     |
| 5               | 256QAM     | 12      | 0         | 17.35                 | 17.42                    | 17.50                  |                     |          |     |
| 5               | 256QAM     | 12      | 7         | 17.27                 | 17.57                    | 17.40                  | 19                  | 0.5      | 0.5 |
| 5               | 256QAM     | 12      | 13        | 17.35                 | 17.67                    | 17.30                  |                     |          |     |
| 5               | 256QAM     | 25      | 0         | 17.38                 | 17.57                    | 17.47                  |                     |          |     |

| Band 41 Ant 4   |            |         |           |                                                                                                                     |                                                                                                       |                                                                                         |                                                                           |                                                              |                        |             |
|-----------------|------------|---------|-----------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq                                                                                             | Power Low<br>Middle<br>Ch. / Freq                                                                     | Power Middle<br>Ch. / Freq                                                              | Power High<br>Middle<br>Ch. / Freq                                        | Power High<br>Ch. / Freq                                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 39750                                                                                                               | 40185                                                                                                 | 40620                                                                                   | 41055                                                                     | 41500                                                        |                        |             |
| Frequency (MHz) |            |         |           | 2500                                                                                                                | 25495                                                                                                 | 25993                                                                                   | 26395                                                                     | 26890                                                        |                        |             |
| 20              | QPSK       | 1       | 0         | 18.51                                                                                                               | 18.47                                                                                                 | 18.56                                                                                   | 18.49                                                                     | 18.44                                                        |                        |             |
| 20              | QPSK       | 1       | 49        | 18.39                                                                                                               | 18.37                                                                                                 | 18.42                                                                                   | 18.38                                                                     | 18.39                                                        | 19.5                   | 0           |
| 20              | QPSK       | 1       | 99        | 18.43                                                                                                               | 18.47                                                                                                 | 18.40                                                                                   | 18.41                                                                     | 18.48                                                        |                        |             |
| 20              | QPSK       | 50      | 0         | 18.46                                                                                                               | 18.45                                                                                                 | 18.51                                                                                   | 18.45                                                                     | 18.48                                                        |                        |             |
| 20              | QPSK       | 50      | 0         | 18.46                                                                                                               | 18.47                                                                                                 | 18.42                                                                                   | 18.44                                                                     | 18.47                                                        | 19.5                   | 0           |
| 20              | QPSK       | 50      | 50        | 18.38                                                                                                               | 18.41                                                                                                 | 18.45                                                                                   | 18.37                                                                     | 18.44                                                        |                        |             |
| 20              | QPSK       | 100     | 0         | 18.45                                                                                                               | 18.39                                                                                                 | 18.49                                                                                   | 18.42                                                                     | 18.45                                                        |                        |             |
| 20              | 16QAM      | 1       | 0         | 18.42                                                                                                               | 18.44                                                                                                 | 18.48                                                                                   | 18.41                                                                     | 18.41                                                        |                        |             |
| 20              | 16QAM      | 1       | 49        | 18.42                                                                                                               | 18.37                                                                                                 | 18.39                                                                                   | 18.39                                                                     | 18.38                                                        | 19.5                   | 0           |
| 20              | 16QAM      | 1       | 99        | 18.47                                                                                                               | 18.48                                                                                                 | 18.40                                                                                   | 18.41                                                                     | 18.49                                                        |                        |             |
| 20              | 16QAM      | 50      | 0         | 18.41                                                                                                               | 18.42                                                                                                 | 18.45                                                                                   | 18.50                                                                     | 18.42                                                        |                        |             |
| 20              | 16QAM      | 50      | 24        | 18.43                                                                                                               | 18.43                                                                                                 | 18.43                                                                                   | 18.41                                                                     | 18.45                                                        | 19.5                   | 0           |
| 20              | 16QAM      | 50      | 50        | 18.48                                                                                                               | 18.47                                                                                                 | 18.50                                                                                   | 18.45                                                                     | 18.42                                                        |                        |             |
| 20              | 16QAM      | 100     | 0         | 18.44                                                                                                               | 18.42                                                                                                 | 18.46                                                                                   | 18.44                                                                     | 18.50                                                        |                        |             |
| 20              | 64QAM      | 1       | 0         | 18.47                                                                                                               | 18.45                                                                                                 | 18.50                                                                                   | 18.38                                                                     | 18.39                                                        | 19.5                   | 0           |
| 20              | 64QAM      | 1       | 49        | 18.41                                                                                                               | 18.36                                                                                                 | 18.52                                                                                   | 18.37                                                                     | 18.38                                                        |                        |             |
| 20              | 64QAM      | 1       | 99        | 18.42                                                                                                               | 18.42                                                                                                 | 18.46                                                                                   | 18.38                                                                     | 18.42                                                        |                        |             |
| 20              | 64QAM      | 50      | 0         | 18.37                                                                                                               | 18.42                                                                                                 | 18.44                                                                                   | 18.45                                                                     | 18.46                                                        |                        |             |
| 20              | 64QAM      | 50      | 24        | 18.50                                                                                                               | 18.43                                                                                                 | 18.45                                                                                   | 18.37                                                                     | 18.38                                                        | 19.5                   | 0           |
| 20              | 64QAM      | 50      | 50        | 18.43                                                                                                               | 18.43                                                                                                 | 18.40                                                                                   | 18.44                                                                     | 18.39                                                        |                        |             |
| 20              | 64QAM      | 100     | 0         | 18.41                                                                                                               | 18.45                                                                                                 | 18.41                                                                                   | 18.42                                                                     | 18.44                                                        |                        |             |
| 20              | 256QAM     | 1       | 0         | 17.50                                                                                                               | 17.47                                                                                                 | 17.51                                                                                   | 17.54                                                                     | 17.51                                                        | 19                     | 0.5         |
| 20              | 256QAM     | 1       | 49        | 17.47                                                                                                               | 17.44                                                                                                 | 17.59                                                                                   | 17.54                                                                     | 17.52                                                        |                        |             |
| 20              | 256QAM     | 1       | 99        | 17.49                                                                                                               | 17.42                                                                                                 | 17.56                                                                                   | 17.54                                                                     | 17.47                                                        |                        |             |
| 20              | 256QAM     | 50      | 0         | 17.48                                                                                                               | 17.39                                                                                                 | 17.58                                                                                   | 17.56                                                                     | 17.47                                                        |                        |             |
| 20              | 256QAM     | 50      | 24        | 17.46                                                                                                               | 17.23                                                                                                 | 17.66                                                                                   | 17.58                                                                     | 17.47                                                        | 19                     | 0.5         |
| 20              | 256QAM     | 50      | 50        | 17.57                                                                                                               | 17.36                                                                                                 | 17.50                                                                                   | 17.47                                                                     | 17.44                                                        |                        |             |
| 20              | 256QAM     | 100     | 0         | 17.57                                                                                                               | 17.36                                                                                                 | 17.66                                                                                   | 17.43                                                                     | 17.41                                                        |                        |             |
| Channel         |            |         |           | 39725 <th>40173<th>40603<th>41068<th>41515<th>Tune-up limit<br/>(dBm)</th><th>MPR<br/>(dB)</th></th></th></th></th> | 40173 <th>40603<th>41068<th>41515<th>Tune-up limit<br/>(dBm)</th><th>MPR<br/>(dB)</th></th></th></th> | 40603 <th>41068<th>41515<th>Tune-up limit<br/>(dBm)</th><th>MPR<br/>(dB)</th></th></th> | 41068 <th>41515<th>Tune-up limit<br/>(dBm)</th><th>MPR<br/>(dB)</th></th> | 41515 <th>Tune-up limit<br/>(dBm)</th> <th>MPR<br/>(dB)</th> | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2503.5 <th>2548.3<th>2592.9<th>2637.8<th>2682.5<th></th><th></th></th></th></th></th>                               | 2548.3 <th>2592.9<th>2637.8<th>2682.5<th></th><th></th></th></th></th>                                | 2592.9 <th>2637.8<th>2682.5<th></th><th></th></th></th>                                 | 2637.8 <th>2682.5<th></th><th></th></th>                                  | 2682.5 <th></th> <th></th>                                   |                        |             |
| 15              | QPSK       | 1       | 0         | 18.45                                                                                                               | 18.40                                                                                                 | 18.50                                                                                   | 18.43                                                                     | 18.46                                                        |                        |             |
| 15              | QPSK       | 1       | 37        | 18.46                                                                                                               | 18.40                                                                                                 | 18.41                                                                                   | 18.44                                                                     | 18.48                                                        | 20                     | 0           |
| 15              | QPSK       | 1       | 74        | 18.45                                                                                                               | 18.42                                                                                                 | 18.47                                                                                   | 18.40                                                                     | 18.48                                                        |                        |             |
| 15              | QPSK       | 36      | 0         | 18.40                                                                                                               | 18.48                                                                                                 | 18.51                                                                                   | 18.49                                                                     | 18.38                                                        |                        |             |
| 15              | QPSK       | 36      | 20        | 18.37                                                                                                               | 18.39                                                                                                 | 18.43                                                                                   | 18.39                                                                     | 18.41                                                        | 19.5                   | 0           |
| 15              | QPSK       | 36      | 39        | 18.45                                                                                                               | 18.43                                                                                                 | 18.44                                                                                   | 18.42                                                                     | 18.41                                                        |                        |             |
| 15              | QPSK       | 75      | 0         | 18.49                                                                                                               | 18.47                                                                                                 | 18.40                                                                                   | 18.38                                                                     | 18.46                                                        |                        |             |
| 15              | 16QAM      | 1       | 0         | 18.50                                                                                                               | 18.49                                                                                                 | 18.39                                                                                   | 18.47                                                                     | 18.46                                                        | 19.5                   | 0           |
| 15              | 16QAM      | 1       | 37        | 18.47                                                                                                               | 18.40                                                                                                 | 18.52                                                                                   | 18.48                                                                     | 18.47                                                        |                        |             |
| 15              | 16QAM      | 1       | 74        | 18.45                                                                                                               | 18.46                                                                                                 | 18.48                                                                                   | 18.44                                                                     | 18.45                                                        |                        |             |
| 15              | 16QAM      | 36      | 0         | 18.44                                                                                                               | 18.39                                                                                                 | 18.49                                                                                   | 18.45                                                                     | 18.49                                                        |                        |             |
| 15              | 16QAM      | 36      | 20        | 18.46                                                                                                               | 18.46                                                                                                 | 18.49                                                                                   | 18.41                                                                     | 18.48                                                        | 19.5                   | 0           |
| 15              | 16QAM      | 36      | 39        | 18.48                                                                                                               | 18.36                                                                                                 | 18.48                                                                                   | 18.41                                                                     | 18.48                                                        |                        |             |
| 15              | 16QAM      | 75      | 0         | 18.40                                                                                                               | 18.41                                                                                                 | 18.47                                                                                   | 18.47                                                                     | 18.50                                                        |                        |             |
| 15              | 64QAM      | 1       | 0         | 18.48                                                                                                               | 18.46                                                                                                 | 18.48                                                                                   | 18.42                                                                     | 18.42                                                        |                        |             |
| 15              | 64QAM      | 1       | 37        | 18.36                                                                                                               | 18.38                                                                                                 | 18.49                                                                                   | 18.43                                                                     | 18.48                                                        | 19.5                   | 0           |
| 15              | 64QAM      | 1       | 74        | 18.49                                                                                                               | 18.42                                                                                                 | 18.48                                                                                   | 18.44                                                                     | 18.38                                                        |                        |             |
| 15              | 64QAM      | 36      | 0         | 18.45                                                                                                               | 18.42                                                                                                 | 18.47                                                                                   | 18.42                                                                     | 18.40                                                        |                        |             |
| 15              | 64QAM      | 36      | 20        | 18.37                                                                                                               | 18.48                                                                                                 | 18.48                                                                                   | 18.41                                                                     | 18.43                                                        | 19.5                   | 0           |
| 15              | 64QAM      | 36      | 39        | 18.42                                                                                                               | 18.40                                                                                                 | 18.49                                                                                   | 18.49                                                                     | 18.42                                                        |                        |             |
| 15              | 64QAM      | 75      | 0         | 18.43                                                                                                               | 18.46                                                                                                 | 18.44                                                                                   | 18.50                                                                     | 18.42                                                        |                        |             |
| 15              | 256QAM     | 1       | 0         | 17.33                                                                                                               | 17.37                                                                                                 | 17.41                                                                                   | 17.43                                                                     | 17.36                                                        |                        |             |
| 15              | 256QAM     | 1       | 37        | 17.27                                                                                                               | 17.44                                                                                                 | 17.42                                                                                   | 17.36                                                                     | 17.43                                                        | 19                     | 0.5         |
| 15              | 256QAM     | 1       | 74        | 17.50                                                                                                               | 17.41                                                                                                 | 17.39                                                                                   | 17.56                                                                     | 17.45                                                        |                        |             |
| 15              | 256QAM     | 36      | 0         | 17.43                                                                                                               | 17.39                                                                                                 | 17.37                                                                                   | 17.47                                                                     | 17.35                                                        |                        |             |
| 15              | 256QAM     | 36      | 20        | 17.34                                                                                                               | 17.10                                                                                                 | 17.45                                                                                   | 17.53                                                                     | 17.40                                                        | 19                     | 0.5         |
| 15              | 256QAM     | 36      | 39        | 17.40                                                                                                               | 17.23                                                                                                 | 17.29                                                                                   | 17.31                                                                     | 17.35                                                        |                        |             |
| 15              | 256QAM     | 75      | 0         | 17.58                                                                                                               | 17.23                                                                                                 | 17.44                                                                                   | 17.30                                                                     | 17.27                                                        |                        |             |
| Channel         |            |         |           | 39700 <th>40160<th>40620<th>41080<th>41540<th>Tune-up limit<br/>(dBm)</th><th>MPR<br/>(dB)</th></th></th></th></th> | 40160 <th>40620<th>41080<th>41540<th>Tune-up limit<br/>(dBm)</th><th>MPR<br/>(dB)</th></th></th></th> | 40620 <th>41080<th>41540<th>Tune-up limit<br/>(dBm)</th><th>MPR<br/>(dB)</th></th></th> | 41080 <th>41540<th>Tune-up limit<br/>(dBm)</th><th>MPR<br/>(dB)</th></th> | 41540 <th>Tune-up limit<br/>(dBm)</th> <th>MPR<br/>(dB)</th> | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2501 <th>2547<th>2593<th>2639<th>2685<th></th><th></th></th></th></th></th>                                         | 2547 <th>2593<th>2639<th>2685<th></th><th></th></th></th></th>                                        | 2593 <th>2639<th>2685<th></th><th></th></th></th>                                       | 2639 <th>2685<th></th><th></th></th>                                      | 2685 <th></th> <th></th>                                     |                        |             |
| 10              | QPSK       | 1       | 0         | 18.45                                                                                                               | 18.39                                                                                                 | 18.38                                                                                   | 18.41                                                                     | 18.36                                                        | 20                     | 0           |
| 10              | QPSK       | 1       | 25        | 18.42                                                                                                               | 18.39                                                                                                 | 18.43                                                                                   | 18.47                                                                     | 18.48                                                        |                        |             |
| 10              | QPSK       | 1       | 49        | 18.42                                                                                                               | 18.38                                                                                                 | 18.39                                                                                   | 18.36                                                                     | 18.49                                                        |                        |             |
| 10              | QPSK       | 25      | 0         | 18.46                                                                                                               | 18.45                                                                                                 | 18.41                                                                                   | 18.45                                                                     | 18.39                                                        |                        |             |
| 10              | QPSK       | 25      | 12        | 18.46                                                                                                               | 18.42                                                                                                 | 18.47                                                                                   | 18.45                                                                     | 18.42                                                        | 19.5                   | 0           |
| 10              | QPSK       | 25      | 25        | 18.40                                                                                                               | 18.43                                                                                                 | 18.40                                                                                   | 18.48                                                                     | 18.43                                                        |                        |             |
| 10              | QPSK       | 36      | 0         | 18.39                                                                                                               | 18.37                                                                                                 | 18.49                                                                                   | 18.45                                                                     | 18.43                                                        |                        |             |
| 10              | 16QAM      | 1       | 0         | 18.45                                                                                                               | 18.41                                                                                                 | 18.48                                                                                   | 18.43                                                                     | 18.40                                                        |                        |             |
| 10              | 16QAM      | 1       | 25        | 18.40                                                                                                               | 18.48                                                                                                 | 18.40                                                                                   | 18.42                                                                     | 18.38                                                        | 19.5                   | 0           |
| 10              | 16QAM      | 1       | 49        | 18.43                                                                                                               | 18.46                                                                                                 | 18.41                                                                                   | 18.38                                                                     | 18.37                                                        |                        |             |
| 10              | 16QAM      | 25      | 0         | 18.46                                                                                                               | 18.40                                                                                                 | 18.51                                                                                   | 18.41                                                                     | 18.48                                                        |                        |             |
| 10              | 16QAM      | 25      | 12        | 18.38                                                                                                               | 18.40                                                                                                 | 18.39                                                                                   | 18.48                                                                     | 18.49                                                        | 19.5                   | 0           |
| 10              | 16QAM      | 25      | 25        | 18.45                                                                                                               | 18.40                                                                                                 | 18.49                                                                                   | 18.40                                                                     | 18.49                                                        |                        |             |
| 10              | 16QAM      | 50      | 0         | 18.49                                                                                                               | 18.46                                                                                                 | 18.45                                                                                   | 18.47                                                                     | 18.43                                                        |                        |             |
| 10              | 64QAM      | 1       | 0         | 18.46                                                                                                               | 18.45                                                                                                 | 18.48                                                                                   | 18.36                                                                     | 18.45                                                        |                        |             |
| 10              | 64QAM      | 1       | 25        | 18.47                                                                                                               | 18.48                                                                                                 | 18.42                                                                                   | 18.47                                                                     | 18.41                                                        | 19.5                   | 0           |
| 10              | 64QAM      | 1       | 49        | 18.49                                                                                                               | 18.38                                                                                                 | 18.46                                                                                   | 18.46                                                                     | 18.44                                                        |                        |             |
| 10              | 64QAM      | 1       | 24        | 18.36                                                                                                               | 18.37                                                                                                 | 18.45                                                                                   | 18.47                                                                     | 18.44                                                        |                        |             |
| 10              | 64QAM      | 25      | 12        | 18.39                                                                                                               | 18.38                                                                                                 | 18.41                                                                                   | 18.39                                                                     | 18.45                                                        | 19.5                   | 0           |
| 10              | 64QAM      | 25      | 25        | 18.38                                                                                                               | 18.42                                                                                                 | 18.45                                                                                   | 18.45                                                                     | 18.43                                                        |                        |             |
| 10              | 64QAM      | 50      | 0         | 18.49                                                                                                               | 18.48                                                                                                 | 18.40                                                                                   | 18.41                                                                     | 18.43                                                        |                        |             |
| 10              | 256QAM     | 1       | 0         | 17.31                                                                                                               | 17.40                                                                                                 | 17.38                                                                                   | 17.44                                                                     | 17.47                                                        |                        |             |
| 10              | 256QAM     | 1       | 25        | 17.33                                                                                                               | 17.30                                                                                                 | 17.46                                                                                   | 17.51                                                                     | 17.43                                                        | 19                     | 0.5         |
| 10              | 256QAM     | 1       | 49        | 17.32                                                                                                               | 17.38                                                                                                 | 17.36                                                                                   | 17.53                                                                     | 17.34                                                        |                        |             |
| 10              | 256QAM     | 25      | 0         | 17.30                                                                                                               | 17.37                                                                                                 | 17.56                                                                                   | 17.40                                                                     | 17.38                                                        |                        |             |
| 10              | 256QAM     | 25      | 12        | 17.32                                                                                                               | 17.08                                                                                                 | 17.54                                                                                   | 17.51                                                                     | 17.40                                                        | 19                     | 0.5         |
| 10              | 256QAM     | 25      | 25        | 17.35                                                                                                               | 17.21                                                                                                 | 17.51                                                                                   | 17.28                                                                     | 17.44                                                        |                        |             |
| 10              | 256QAM     | 50      | 0         | 17.55                                                                                                               | 17.19                                                                                                 | 17.57                                                                                   | 17.32                                                                     | 17.38                                                        |                        |             |
| Channel         |            |         |           | 25915 <th>26416<th>26920<th>27420<th>27925<th>Tune-up limit<br/>(dBm)</th><th>MPR<br/>(dB)</th></th></th></th></th> | 26416 <th>26920<th>27420<th>27925<th>Tune-up limit<br/>(dBm)</th><th>MPR<br/>(dB)</th></th></th></th> | 26920 <th>27420<th>27925<th>Tune-up limit<br/>(dBm)</th><th>MPR<br/>(dB)</th></th></th> | 27420 <th>27925<th>Tune-up limit<br/>(dBm)</th><th>MPR<br/>(dB)</th></th> | 27925 <th>Tune-up limit<br/>(dBm)</th> <th>MPR<br/>(dB)</th> | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2498.5 <th>2548.8<th>25993<th>26493.0<th>26997.5<th></th><th></th></th></th></th></th>                              | 2548.8 <th>25993<th>26493.0<th>26997.5<th></th><th></th></th></th></th>                               | 25993 <th>26493.0<th>26997.5<th></th><th></th></th></th>                                | 26493.0 <th>26997.5<th></th><th></th></th>                                | 26997.5 <th></th> <th></th>                                  |                        |             |
| 5               | QPSK       | 1       | 0         | 18.49                                                                                                               | 18.37                                                                                                 | 18.48                                                                                   | 18.46                                                                     | 18.38                                                        | 20                     | 0           |
| 5               | QPSK       | 1       | 12        | 18.41                                                                                                               | 18.41                                                                                                 | 18.51                                                                                   | 18.38                                                                     | 18.39                                                        |                        |             |
| 5               | QPSK       | 1       | 24        | 18.37                                                                                                               | 18.41                                                                                                 | 18.43                                                                                   | 18.49                                                                     | 18.45                                                        |                        |             |
| 5               | QPSK       | 12      | 0         | 18.48                                                                                                               | 18.39                                                                                                 | 18.46                                                                                   | 18.49                                                                     | 18.37                                                        |                        |             |
| 5               | QPSK       | 12      | 0         | 18.46                                                                                                               | 18.37                                                                                                 | 18.52                                                                                   | 18.43                                                                     | 18.44                                                        | 19.5                   | 0           |
| 5               | QPSK       | 12      | 7         | 18.46                                                                                                               | 18.38                                                                                                 | 18.44                                                                                   | 18.46                                                                     | 18.39                                                        |                        |             |
| 5               | QPSK       | 25      | 0         | 18.45                                                                                                               | 18.45                                                                                                 | 18.50                                                                                   | 18.43                                                                     | 18.49                                                        |                        |             |
| 5               | 16QAM      | 1       | 0         | 18.36                                                                                                               | 18.40                                                                                                 | 18.38                                                                                   | 18.45                                                                     | 18.43                                                        |                        |             |
| 5               | 16QAM      | 1       | 12        | 18.38                                                                                                               | 18.40                                                                                                 | 18.46                                                                                   | 18.38                                                                     | 18.42                                                        | 19.5                   | 0           |
| 5               | 16QAM      | 1       | 24        | 18.48                                                                                                               | 18.40                                                                                                 | 18.38                                                                                   | 18.47                                                                     | 18.36                                                        |                        |             |
| 5               | 16QAM      | 12      | 0         | 18.49                                                                                                               | 18.43                                                                                                 | 18.39                                                                                   | 18.36                                                                     | 18.39                                                        |                        |             |
| 5               | 16QAM      | 12      | 7         | 18.47                                                                                                               | 18.37                                                                                                 | 18.46                                                                                   | 18.46                                                                     | 18.39                                                        | 19.5                   | 0           |
| 5               | 16QAM      | 12      | 13        | 18.37                                                                                                               | 18.44                                                                                                 | 18.41                                                                                   | 18.48                                                                     | 18.46                                                        |                        |             |
| 5               | 16QAM      | 25      | 0         | 18.46                                                                                                               | 18.44                                                                                                 | 18.50                                                                                   | 18.48                                                                     | 18.40                                                        |                        |             |
| 5               | 64QAM      | 1       | 0         | 18.37                                                                                                               | 18.42                                                                                                 | 18.50                                                                                   | 18.49                                                                     | 18.39                                                        | 19.5                   | 0           |
| 5               | 64QAM      | 1       | 24        | 18.40                                                                                                               | 18.42                                                                                                 | 18.48                                                                                   | 18.49                                                                     | 18.37                                                        |                        |             |
| 5               | 64QAM      | 1       | 24        | 18.46                                                                                                               | 18.38                                                                                                 | 18.44                                                                                   | 18.41                                                                     | 18.39                                                        |                        |             |
| 5               | 64QAM      | 12      | 0         | 18.50                                                                                                               | 18.47                                                                                                 | 18.48                                                                                   | 18.38                                                                     | 18.38                                                        |                        |             |
| 5               | 64QAM      | 12      | 7         | 18.50                                                                                                               | 18.41                                                                                                 | 18.47                                                                                   | 18.45                                                                     | 18.37                                                        | 19.5                   | 0           |
| 5               | 64QAM      | 12      | 13        | 18.47                                                                                                               | 18.39                                                                                                 | 18.49                                                                                   | 18.39                                                                     | 18.47                                                        |                        |             |
| 5               | 64QAM      | 25      | 0         | 18.44                                                                                                               | 18.36                                                                                                 | 18.48                                                                                   | 18.47                                                                     | 18.39                                                        |                        |             |
| 5               | 256QAM     | 1       | 0         | 17.28                                                                                                               | 17.24                                                                                                 | 17.34                                                                                   | 17.56                                                                     | 17.38                                                        | 19                     | 0.5         |
| 5               | 256QAM     | 1       | 12        | 17.35                                                                                                               | 17.38                                                                                                 | 17.48                                                                                   | 17.41                                                                     | 17.50                                                        |                        |             |
| 5               | 256QAM     | 1       | 24        | 17.48                                                                                                               | 17.36                                                                                                 | 17.56                                                                                   | 17.47                                                                     | 17.33                                                        |                        |             |
| 5               | 256QAM     | 12      | 0         | 17.31                                                                                                               | 17.18                                                                                                 | 17.39                                                                                   | 17.42                                                                     | 17.34                                                        |                        |             |
| 5               | 256QAM     | 12      | 7         | 17.44                                                                                                               | 17.28                                                                                                 | 17.48                                                                                   | 17.41                                                                     | 17.34                                                        | 19                     | 0.5         |
| 5               | 256QAM     | 12      | 13        | 17.49                                                                                                               | 17.39                                                                                                 | 17.49                                                                                   | 17.36                                                                     | 17.44                                                        |                        |             |
| 5               | 256QAM     | 25      | 0         | 17.37                                                                                                               | 17.28                                                                                                 | 17.88                                                                                   | 17.38                                                                     | 17.31                                                        |                        |             |

| Band 42 FCC Part27Q Ant 5 |            |         |           |                     |                        |                      |                     |          |  |
|---------------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|
| BW [MHz]                  | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Middle Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           | 42190               | 42590                  | 42990                | 18.6                | 0        |  |
| Frequency (MHz)           |            |         |           | 3460                | 3500                   | 3540                 |                     |          |  |
| 20                        | QPSK       | 1       | 0         | 17.31               | 17.37                  | 17.28                | 18.6                | 0        |  |
| 20                        | QPSK       | 1       | 49        | 17.33               | 17.34                  | 17.06                |                     |          |  |
| 20                        | QPSK       | 1       | 99        | 17.18               | 17.17                  | 17.24                |                     |          |  |
| 20                        | QPSK       | 50      | 0         | 17.28               | 17.32                  | 17.29                | 18.6                | 0        |  |
| 20                        | QPSK       | 50      | 24        | 17.09               | 17.31                  | 17.16                |                     |          |  |
| 20                        | QPSK       | 50      | 50        | 17.26               | 17.19                  | 17.08                |                     |          |  |
| 20                        | QPSK       | 100     | 0         | 17.21               | 17.24                  | 17.19                | 18.6                | 0        |  |
| 20                        | 16QAM      | 1       | 0         | 17.23               | 17.32                  | 17.16                |                     |          |  |
| 20                        | 16QAM      | 1       | 49        | 17.19               | 17.33                  | 17.05                |                     |          |  |
| 20                        | 16QAM      | 1       | 99        | 17.29               | 17.34                  | 17.15                | 18.6                | 0        |  |
| 20                        | 16QAM      | 50      | 0         | 17.31               | 17.33                  | 17.17                |                     |          |  |
| 20                        | 16QAM      | 50      | 24        | 17.26               | 17.32                  | 17.07                |                     |          |  |
| 20                        | 16QAM      | 50      | 50        | 17.30               | 17.24                  | 17.09                | 18.6                | 0        |  |
| 20                        | 16QAM      | 100     | 0         | 17.20               | 17.31                  | 17.20                |                     |          |  |
| 20                        | 64QAM      | 1       | 0         | 17.15               | 17.17                  | 17.01                | 18.6                | 0        |  |
| 20                        | 64QAM      | 1       | 49        | 17.19               | 17.28                  | 17.18                |                     |          |  |
| 20                        | 64QAM      | 1       | 99        | 17.28               | 17.21                  | 17.13                |                     |          |  |
| 20                        | 64QAM      | 50      | 0         | 17.16               | 17.26                  | 17.11                | 18.6                | 0        |  |
| 20                        | 64QAM      | 50      | 24        | 17.30               | 17.23                  | 17.10                |                     |          |  |
| 20                        | 64QAM      | 50      | 50        | 17.29               | 17.36                  | 17.25                |                     |          |  |
| 20                        | 64QAM      | 100     | 0         | 17.23               | 17.20                  | 17.04                | 18.6                | 0        |  |
| 20                        | 256QAM     | 1       | 0         | 17.17               | 17.20                  | 17.05                |                     |          |  |
| 20                        | 256QAM     | 1       | 49        | 17.26               | 17.22                  | 17.19                |                     |          |  |
| 20                        | 256QAM     | 1       | 99        | 17.12               | 17.29                  | 17.03                | 18.6                | 0        |  |
| 20                        | 256QAM     | 50      | 0         | 17.24               | 17.19                  | 17.24                |                     |          |  |
| 20                        | 256QAM     | 50      | 24        | 17.16               | 17.22                  | 17.18                |                     |          |  |
| 20                        | 256QAM     | 50      | 50        | 17.15               | 17.20                  | 17.03                | 18.6                | 0        |  |
| 20                        | 256QAM     | 100     | 0         | 17.17               | 17.24                  | 17.13                |                     |          |  |
| Channel                   |            |         |           | 42165               | 42590                  | 43015                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3457.5              | 3500                   | 3542.5               |                     |          |  |
| 15                        | QPSK       | 1       | 0         | 17.15               | 17.23                  | 17.07                | 18.6                | 0        |  |
| 15                        | QPSK       | 1       | 37        | 17.26               | 17.24                  | 16.95                |                     |          |  |
| 15                        | QPSK       | 1       | 74        | 17.14               | 17.14                  | 17.19                |                     |          |  |
| 15                        | QPSK       | 36      | 0         | 16.94               | 17.19                  | 16.94                | 18.6                | 0        |  |
| 15                        | QPSK       | 36      | 20        | 17.07               | 17.34                  | 17.14                |                     |          |  |
| 15                        | QPSK       | 36      | 39        | 17.06               | 17.08                  | 16.99                |                     |          |  |
| 15                        | QPSK       | 75      | 0         | 17.11               | 17.05                  | 17.19                | 18.6                | 0        |  |
| 15                        | 16QAM      | 1       | 0         | 17.24               | 17.10                  | 17.14                |                     |          |  |
| 15                        | 16QAM      | 1       | 37        | 17.13               | 17.16                  | 16.93                | 18.6                | 0        |  |
| 15                        | 16QAM      | 1       | 74        | 17.19               | 17.29                  | 17.00                |                     |          |  |
| 15                        | 16QAM      | 36      | 0         | 17.14               | 17.24                  | 17.11                | 18.6                | 0        |  |
| 15                        | 16QAM      | 36      | 20        | 17.10               | 17.18                  | 17.05                |                     |          |  |
| 15                        | 16QAM      | 36      | 39        | 17.09               | 17.15                  | 17.03                |                     |          |  |
| 15                        | 16QAM      | 75      | 0         | 17.16               | 17.32                  | 17.07                | 18.6                | 0        |  |
| 15                        | 64QAM      | 1       | 0         | 17.14               | 17.11                  | 17.00                |                     |          |  |
| 15                        | 64QAM      | 1       | 37        | 17.12               | 17.06                  | 17.15                | 18.6                | 0        |  |
| 15                        | 64QAM      | 1       | 74        | 17.20               | 17.09                  | 16.98                |                     |          |  |
| 15                        | 64QAM      | 36      | 0         | 17.16               | 17.28                  | 17.12                | 18.6                | 0        |  |
| 15                        | 64QAM      | 36      | 20        | 17.13               | 17.18                  | 17.09                |                     |          |  |
| 15                        | 64QAM      | 36      | 39        | 17.27               | 17.31                  | 17.12                |                     |          |  |
| 15                        | 64QAM      | 75      | 0         | 17.05               | 17.07                  | 16.84                | 18.6                | 0        |  |
| 15                        | 256QAM     | 1       | 0         | 17.06               | 17.15                  | 16.85                |                     |          |  |
| 15                        | 256QAM     | 1       | 37        | 17.05               | 17.13                  | 17.01                | 18.6                | 0        |  |
| 15                        | 256QAM     | 1       | 74        | 17.03               | 17.11                  | 16.90                |                     |          |  |
| 15                        | 256QAM     | 36      | 0         | 17.09               | 17.06                  | 17.08                | 18.6                | 0        |  |
| 15                        | 256QAM     | 36      | 20        | 17.00               | 17.16                  | 17.06                |                     |          |  |
| 15                        | 256QAM     | 36      | 39        | 17.13               | 17.26                  | 16.99                |                     |          |  |
| 15                        | 256QAM     | 75      | 0         | 16.97               | 17.15                  | 16.97                |                     |          |  |
| Channel                   |            |         |           | 42140               | 42590                  | 43040                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3455                | 3500                   | 3545                 |                     |          |  |
| 10                        | QPSK       | 1       | 0         | 17.20               | 17.29                  | 17.07                | 18.6                | 0        |  |
| 10                        | QPSK       | 1       | 25        | 17.19               | 17.23                  | 17.08                |                     |          |  |
| 10                        | QPSK       | 1       | 49        | 17.02               | 17.04                  | 17.16                |                     |          |  |
| 10                        | QPSK       | 25      | 0         | 17.04               | 17.05                  | 16.95                | 18.6                | 0        |  |
| 10                        | QPSK       | 25      | 12        | 17.05               | 17.30                  | 17.02                |                     |          |  |
| 10                        | QPSK       | 25      | 25        | 17.25               | 17.15                  | 16.98                |                     |          |  |
| 10                        | QPSK       | 50      | 0         | 16.98               | 17.07                  | 17.04                | 18.6                | 0        |  |
| 10                        | 16QAM      | 1       | 0         | 17.08               | 17.13                  | 17.07                |                     |          |  |
| 10                        | 16QAM      | 1       | 25        | 16.98               | 17.28                  | 16.97                |                     |          |  |
| 10                        | 16QAM      | 1       | 49        | 17.17               | 17.13                  | 17.09                | 18.6                | 0        |  |
| 10                        | 16QAM      | 25      | 0         | 17.33               | 17.24                  | 17.02                |                     |          |  |
| 10                        | 16QAM      | 25      | 12        | 17.19               | 17.20                  | 17.05                |                     |          |  |
| 10                        | 16QAM      | 25      | 25        | 17.17               | 17.08                  | 16.95                | 18.6                | 0        |  |
| 10                        | 16QAM      | 50      | 0         | 16.99               | 17.30                  | 17.11                |                     |          |  |
| 10                        | 64QAM      | 1       | 0         | 17.09               | 17.01                  | 16.87                |                     |          |  |
| 10                        | 64QAM      | 1       | 25        | 17.06               | 17.26                  | 17.09                | 18.6                | 0        |  |
| 10                        | 64QAM      | 1       | 49        | 17.28               | 17.09                  | 16.99                |                     |          |  |
| 10                        | 64QAM      | 25      | 0         | 16.99               | 17.20                  | 17.02                |                     |          |  |
| 10                        | 64QAM      | 25      | 12        | 17.20               | 17.16                  | 16.98                | 18.6                | 0        |  |
| 10                        | 64QAM      | 25      | 25        | 17.15               | 17.30                  | 17.20                |                     |          |  |
| 10                        | 64QAM      | 50      | 0         | 17.13               | 17.00                  | 16.98                |                     |          |  |
| 10                        | 256QAM     | 1       | 0         | 17.15               | 17.05                  | 16.84                | 18.6                | 0        |  |
| 10                        | 256QAM     | 1       | 25        | 17.15               | 17.13                  | 17.13                |                     |          |  |
| 10                        | 256QAM     | 1       | 49        | 17.04               | 17.31                  | 17.03                |                     |          |  |
| 10                        | 256QAM     | 25      | 0         | 17.24               | 17.09                  | 17.18                | 18.6                | 0        |  |
| 10                        | 256QAM     | 25      | 12        | 17.17               | 17.10                  | 17.08                |                     |          |  |
| 10                        | 256QAM     | 25      | 25        | 16.95               | 17.34                  | 16.90                |                     |          |  |
| 10                        | 256QAM     | 50      | 0         | 16.99               | 17.18                  | 17.10                |                     |          |  |
| Channel                   |            |         |           | 42115               | 42590                  | 43065                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3452.5              | 3500                   | 3547.5               |                     |          |  |
| 5                         | QPSK       | 1       | 0         | 17.19               | 17.30                  | 17.14                | 18.6                | 0        |  |
| 5                         | QPSK       | 1       | 12        | 17.22               | 17.24                  | 17.04                |                     |          |  |
| 5                         | QPSK       | 1       | 24        | 17.20               | 16.96                  | 17.22                |                     |          |  |
| 5                         | QPSK       | 12      | 0         | 16.97               | 17.14                  | 16.98                | 18.6                | 0        |  |
| 5                         | QPSK       | 12      | 7         | 17.02               | 17.18                  | 17.12                |                     |          |  |
| 5                         | QPSK       | 12      | 13        | 17.12               | 17.06                  | 16.93                |                     |          |  |
| 5                         | QPSK       | 25      | 0         | 17.12               | 17.03                  | 17.20                | 18.6                | 0        |  |
| 5                         | 16QAM      | 1       | 0         | 17.03               | 17.14                  | 17.14                |                     |          |  |
| 5                         | 16QAM      | 1       | 12        | 16.98               | 17.19                  | 17.01                |                     |          |  |
| 5                         | 16QAM      | 1       | 24        | 17.12               | 17.21                  | 17.17                | 18.6                | 0        |  |
| 5                         | 16QAM      | 12      | 0         | 17.23               | 17.22                  | 16.98                |                     |          |  |
| 5                         | 16QAM      | 12      | 7         | 17.07               | 17.13                  | 17.06                |                     |          |  |
| 5                         | 16QAM      | 12      | 13        | 17.09               | 17.25                  | 16.91                | 18.6                | 0        |  |
| 5                         | 16QAM      | 25      | 0         | 17.10               | 17.21                  | 17.01                |                     |          |  |
| 5                         | 64QAM      | 1       | 0         | 16.96               | 16.96                  | 16.81                |                     |          |  |
| 5                         | 64QAM      | 1       | 12        | 17.07               | 17.09                  | 17.20                | 18.6                | 0        |  |
| 5                         | 64QAM      | 1       | 24        | 17.24               | 17.15                  | 17.10                |                     |          |  |
| 5                         | 64QAM      | 12      | 0         | 16.96               | 17.11                  | 17.08                |                     |          |  |
| 5                         | 64QAM      | 12      | 7         | 17.27               | 17.05                  | 17.02                | 18.6                | 0        |  |
| 5                         | 64QAM      | 12      | 13        | 17.11               | 17.23                  | 17.13                |                     |          |  |
| 5                         | 64QAM      | 25      | 0         | 17.24               | 17.02                  | 16.87                |                     |          |  |
| 5                         | 256QAM     | 1       | 0         | 17.12               | 17.19                  | 16.90                | 18.6                | 0        |  |
| 5                         | 256QAM     | 1       | 12        | 17.27               | 17.10                  | 17.21                |                     |          |  |
| 5                         | 256QAM     | 1       | 24        | 16.96               | 17.30                  | 16.90                |                     |          |  |
| 5                         | 256QAM     | 12      | 0         | 17.07               | 17.14                  | 17.17                | 18.6                | 0        |  |
| 5                         | 256QAM     | 12      | 7         | 17.09               | 17.06                  | 17.11                |                     |          |  |
| 5                         | 256QAM     | 12      | 13        | 17.13               | 17.16                  | 16.90                |                     |          |  |
| 5                         | 256QAM     | 25      | 0         | 16.97               | 17.11                  | 17.03                |                     |          |  |

### Reduced Power Mode for DS13

| GSM850 Ant 0    |  | Crest Average Power (dbm) |       |       | Tune-up Limit (dbm) | Frame-Average Power (dbm) |       |       | Tune-up Limit (dbm) |
|-----------------|--|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| TX Channel      |  | 128                       | 188   | 251   |                     | 128                       | 188   | 251   |                     |
| Frequency (MHz) |  | 824.2                     | 836.4 | 848.8 | Tune-up Limit (dbm) | 824.2                     | 836.4 | 848.8 | Tune-up Limit (dbm) |
| GSM 1 Tx slot   |  | 32.75                     | 32.84 | 32.78 |                     | 23.75                     | 23.84 | 23.78 |                     |
| GPRS 1 Tx slot  |  | 32.72                     | 32.81 | 32.76 | 33.50               | 23.72                     | 23.81 | 23.76 | 24.50               |
| GPRS 2 Tx slots |  | 29.53                     | 29.31 | 29.55 | 30.50               | 23.53                     | 23.31 | 23.55 | 24.50               |
| GPRS 3 Tx slots |  | 27.72                     | 27.53 | 27.50 | 28.50               | 23.48                     | 23.27 | 23.24 | 24.24               |
| GPRS 4 Tx slots |  | 26.41                     | 26.38 | 26.30 | 27.50               | 23.41                     | 23.38 | 23.30 | 24.50               |
| EDGE 1 Tx slot  |  | 26.76                     | 26.71 | 26.73 | 27.50               | 17.76                     | 17.71 | 17.73 | 18.50               |
| EDGE 2 Tx slots |  | 25.39                     | 25.32 | 25.35 | 26.50               | 19.39                     | 19.32 | 19.35 | 20.50               |
| EDGE 3 Tx slots |  | 23.86                     | 23.66 | 23.70 | 24.50               | 19.80                     | 19.40 | 19.44 | 20.24               |
| EDGE 4 Tx slots |  | 21.64                     | 21.65 | 21.54 | 22.50               | 18.64                     | 18.65 | 18.54 | 19.50               |

| Band            |                    | WCDMA V Ant 0 |       |       | Tune-up Limit (dbm) |
|-----------------|--------------------|---------------|-------|-------|---------------------|
| TX Channel      |                    | 4132          | 4182  | 4233  |                     |
| Rx Channel      |                    | 4357          | 4407  | 4458  | Tune-up Limit (dbm) |
| Frequency (MHz) |                    | 826.4         | 838.4 | 848.6 |                     |
| 3GPP Rel 99     | AMR 12.2Kbps       | 22.89         | 22.96 | 22.78 | 24.00               |
| 3GPP Rel 99     | RM 12.2Kbps        | 22.95         | 23.03 | 22.96 | 24.00               |
| 3GPP Rel 6      | HSDPA Subtest-1    | 22.05         | 22.00 | 21.50 | 23.00               |
| 3GPP Rel 6      | HSDPA Subtest-2    | 22.01         | 21.98 | 21.59 | 23.00               |
| 3GPP Rel 6      | HSDPA Subtest-3    | 21.53         | 21.58 | 21.52 | 22.50               |
| 3GPP Rel 6      | HSDPA Subtest-4    | 21.47         | 21.49 | 21.52 | 22.50               |
| 3GPP Rel 6      | DCHSDPA Subtest-1  | 22.02         | 21.95 | 22.03 | 23.00               |
| 3GPP Rel 6      | DCHSDPA Subtest-2  | 22.04         | 22.04 | 21.92 | 23.00               |
| 3GPP Rel 6      | DCHSDPA Subtest-3  | 21.50         | 21.48 | 21.37 | 22.50               |
| 3GPP Rel 6      | DC-HSDPA Subtest-4 | 21.37         | 21.62 | 21.49 | 22.50               |
| 3GPP Rel 6      | HSPA Subtest-1     | 21.53         | 22.02 | 22.03 | 23.00               |
| 3GPP Rel 6      | HSPA Subtest-2     | 20.05         | 19.97 | 19.96 | 21.00               |
| 3GPP Rel 6      | HSPA Subtest-3     | 21.05         | 20.94 | 20.85 | 22.00               |
| 3GPP Rel 6      | HSPA Subtest-4     | 19.84         | 20.12 | 20.03 | 21.00               |
| 3GPP Rel 6      | HSPA Subtest-5     | 21.85         | 22.14 | 21.86 | 23.00               |

| Band 5 Ant 0    |            |         |           |                       |                          |                        |                     |          |  |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Turn-up limit (dBm) | MPR (dB) |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           | 820                   | 836.5                    | 844                    |                     |          |  |  |
| 10              | QPSK       | 1       | 0         | 22.83                 | 22.94                    | 22.93                  | 24                  | 0        |  |  |
| 10              | QPSK       | 1       | 25        | 22.65                 | 22.90                    | 22.89                  |                     |          |  |  |
| 10              | QPSK       | 1       | 49        | 22.79                 | 22.91                    | 22.83                  |                     |          |  |  |
| 10              | QPSK       | 25      | 0         | 21.88                 | 22.07                    | 22.00                  |                     |          |  |  |
| 10              | QPSK       | 25      | 12        | 22.03                 | 22.06                    | 21.97                  | 23                  | 1        |  |  |
| 10              | QPSK       | 25      | 25        | 22.06                 | 21.97                    | 21.86                  |                     |          |  |  |
| 10              | QPSK       | 50      | 0         | 21.94                 | 22.03                    | 21.89                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 0         | 21.95                 | 22.04                    | 22.01                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 49        | 22.05                 | 21.95                    | 22.00                  | 23                  | 1        |  |  |
| 10              | 16QAM      | 1       | 25        | 21.02                 | 21.02                    | 20.87                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 12        | 21.00                 | 20.86                    | 21.05                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 25        | 21.03                 | 20.86                    | 20.88                  |                     |          |  |  |
| 10              | 16QAM      | 50      | 0         | 20.95                 | 20.84                    | 21.01                  | 22                  | 2        |  |  |
| 10              | 64QAM      | 1       | 0         | 20.95                 | 20.94                    | 20.87                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 25        | 20.95                 | 20.88                    | 20.93                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 49        | 21.08                 | 20.80                    | 20.88                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 0         | 19.93                 | 19.90                    | 19.84                  | 21                  | 3        |  |  |
| 10              | 64QAM      | 25      | 12        | 19.87                 | 19.92                    | 20.03                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 25        | 19.94                 | 19.94                    | 19.92                  |                     |          |  |  |
| 10              | 64QAM      | 50      | 0         | 19.93                 | 19.89                    | 19.91                  |                     |          |  |  |
| 10              | 256QAM     | 1       | 0         | 18.07                 | 18.03                    | 17.98                  | 19                  | 5        |  |  |
| 10              | 256QAM     | 1       | 25        | 18.09                 | 18.03                    | 18.05                  |                     |          |  |  |
| 10              | 256QAM     | 1       | 49        | 18.03                 | 18.03                    | 18.08                  |                     |          |  |  |
| 10              | 256QAM     | 25      | 0         | 17.89                 | 17.87                    | 17.99                  |                     |          |  |  |
| 10              | 256QAM     | 25      | 12        | 18.11                 | 17.91                    | 18.05                  | 19                  | 5        |  |  |
| 10              | 256QAM     | 25      | 25        | 17.92                 | 17.93                    | 17.96                  |                     |          |  |  |
| 10              | 256QAM     | 50      | 0         | 18.03                 | 18.01                    | 17.97                  |                     |          |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           | 20425                 | 20505                    | 20505                  | Turn-up limit (dBm) | MPR (dB) |  |  |
| 5               | QPSK       | 1       | 0         | 22.66                 | 22.85                    | 22.76                  | 24                  | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 22.52                 | 22.90                    | 22.72                  |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 22.65                 | 22.84                    | 22.83                  |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 21.90                 | 22.02                    | 21.99                  |                     |          |  |  |
| 5               | QPSK       | 12      | 7         | 22.00                 | 21.93                    | 21.87                  | 23                  | 1        |  |  |
| 5               | QPSK       | 12      | 13        | 22.04                 | 21.90                    | 21.82                  |                     |          |  |  |
| 5               | QPSK       | 25      | 0         | 21.90                 | 21.88                    | 21.76                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 0         | 21.96                 | 21.86                    | 21.81                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 12        | 21.81                 | 21.78                    | 21.93                  | 23                  | 1        |  |  |
| 5               | 16QAM      | 1       | 24        | 21.86                 | 21.76                    | 21.99                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 0         | 20.95                 | 20.89                    | 20.87                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 7         | 21.02                 | 20.80                    | 20.87                  |                     |          |  |  |
| 5               | 16QAM      | 25      | 0         | 20.73                 | 20.85                    | 20.90                  | 22                  | 2        |  |  |
| 5               | 16QAM      | 25      | 12        | 20.84                 | 20.92                    | 20.75                  |                     |          |  |  |
| 5               | 16QAM      | 25      | 25        | 20.79                 | 20.72                    | 20.92                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 0         | 20.84                 | 20.92                    | 20.86                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 12        | 20.79                 | 20.72                    | 20.92                  | 22                  | 2        |  |  |
| 5               | 64QAM      | 1       | 24        | 20.84                 | 20.76                    | 20.81                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 0         | 19.88                 | 19.74                    | 19.84                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 7         | 19.82                 | 19.71                    | 19.83                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 13        | 19.94                 | 19.94                    | 19.77                  | 21                  | 3        |  |  |
| 5               | 64QAM      | 25      | 0         | 19.84                 | 19.71                    | 19.71                  |                     |          |  |  |
| 5               | 256QAM     | 1       | 0         | 17.91                 | 18.04                    | 17.91                  |                     |          |  |  |
| 5               | 256QAM     | 1       | 12        | 17.90                 | 17.95                    | 17.89                  |                     |          |  |  |
| 5               | 256QAM     | 1       | 24        | 17.91                 | 17.96                    | 18.04                  | 19                  | 5        |  |  |
| 5               | 256QAM     | 12      | 0         | 17.85                 | 17.82                    | 17.84                  |                     |          |  |  |
| 5               | 256QAM     | 12      | 7         | 18.00                 | 17.74                    | 18.06                  |                     |          |  |  |
| 5               | 256QAM     | 12      | 13        | 17.74                 | 17.94                    | 17.75                  |                     |          |  |  |
| 5               | 256QAM     | 25      | 0         | 18.00                 | 18.03                    | 17.81                  | 19                  | 5        |  |  |
| 5               | 256QAM     | 25      | 12        | 17.84                 | 17.85                    | 17.85                  |                     |          |  |  |
| 5               | 256QAM     | 25      | 25        | 17.84                 | 17.85                    | 17.85                  |                     |          |  |  |
| 5               | 256QAM     | 50      | 0         | 17.84                 | 17.74                    | 17.74                  |                     |          |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           | 20415                 | 20505                    | 20505                  | Turn-up limit (dBm) | MPR (dB) |  |  |
| 3               | QPSK       | 1       | 0         | 22.80                 | 22.93                    | 22.69                  | 24                  | 0        |  |  |
| 3               | QPSK       | 1       | 8         | 22.60                 | 22.92                    | 22.69                  |                     |          |  |  |
| 3               | QPSK       | 1       | 14        | 22.61                 | 22.88                    | 22.83                  |                     |          |  |  |
| 3               | QPSK       | 8       | 0         | 21.71                 | 21.91                    | 21.87                  |                     |          |  |  |
| 3               | QPSK       | 8       | 4         | 21.90                 | 21.72                    | 21.85                  | 23                  | 1        |  |  |
| 3               | QPSK       | 8       | 7         | 22.01                 | 21.85                    | 21.76                  |                     |          |  |  |
| 3               | QPSK       | 16      | 0         | 21.75                 | 21.88                    | 21.70                  |                     |          |  |  |
| 3               | 16QAM      | 1       | 0         | 21.84                 | 22.06                    | 22.00                  |                     |          |  |  |
| 3               | 16QAM      | 1       | 8         | 21.75                 | 21.70                    | 21.92                  | 23                  | 1        |  |  |
| 3               | 16QAM      | 1       | 14        | 21.84                 | 21.73                    | 21.92                  |                     |          |  |  |
| 3               | 16QAM      | 8       | 0         | 20.81                 | 20.94                    | 20.71                  |                     |          |  |  |
| 3               | 16QAM      | 8       | 4         | 20.80                 | 20.74                    | 21.00                  |                     |          |  |  |
| 3               | 16QAM      | 8       | 7         | 20.86                 | 20.81                    | 20.74                  | 22                  | 2        |  |  |
| 3               | 16QAM      | 15      | 0         | 20.75                 | 20.71                    | 20.98                  |                     |          |  |  |
| 3               | 64QAM      | 1       | 0         | 20.81                 | 20.75                    | 20.74                  |                     |          |  |  |
| 3               | 64QAM      | 1       | 8         | 20.86                 | 20.76                    | 20.73                  |                     |          |  |  |
| 3               | 64QAM      | 1       | 14        | 20.99                 | 20.73                    | 20.69                  | 22                  | 2        |  |  |
| 3               | 64QAM      | 8       | 0         | 19.90                 | 19.74                    | 19.82                  |                     |          |  |  |
| 3               | 64QAM      | 8       | 4         | 19.67                 | 19.77                    | 19.92                  |                     |          |  |  |
| 3               | 64QAM      | 8       | 7         | 19.62                 | 19.67                    | 19.89                  |                     |          |  |  |
| 3               | 64QAM      | 15      | 0         | 19.79                 | 19.71                    | 19.92                  | 21                  | 3        |  |  |
| 3               | 256QAM     | 1       | 0         | 18.02                 | 17.98                    | 17.76                  |                     |          |  |  |
| 3               | 256QAM     | 1       | 8         | 17.96                 | 17.95                    | 17.87                  |                     |          |  |  |
| 3               | 256QAM     | 1       | 14        | 17.85                 | 18.04                    | 18.02                  |                     |          |  |  |
| 3               | 256QAM     | 8       | 0         | 17.77                 | 17.85                    | 17.89                  | 19                  | 5        |  |  |
| 3               | 256QAM     | 8       | 4         | 18.06                 | 17.90                    | 17.90                  |                     |          |  |  |
| 3               | 256QAM     | 8       | 7         | 17.71                 | 17.90                    | 17.91                  |                     |          |  |  |
| 3               | 256QAM     | 15      | 0         | 17.88                 | 17.99                    | 17.96                  |                     |          |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           | 20407                 | 20505                    | 20505                  | Turn-up limit (dBm) | MPR (dB) |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.69                 | 22.92                    | 22.82                  | 24                  | 0        |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.59                 | 22.85                    | 22.81                  |                     |          |  |  |
| 1.4             | QPSK       | 1       | 5         | 22.59                 | 22.82                    | 22.82                  |                     |          |  |  |
| 1.4             | QPSK       | 3       | 0         | 22.73                 | 22.81                    | 22.76                  |                     |          |  |  |
| 1.4             | QPSK       | 3       | 1         | 22.53                 | 22.85                    | 22.87                  | 23                  | 1        |  |  |
| 1.4             | QPSK       | 3       | 3         | 22.77                 | 22.89                    | 22.83                  |                     |          |  |  |
| 1.4             | QPSK       | 6       | 0         | 21.93                 | 21.88                    | 21.85                  |                     |          |  |  |
| 1.4             | 16QAM      | 1       | 0         | 21.87                 | 21.89                    | 21.85                  |                     |          |  |  |
| 1.4             | 16QAM      | 1       | 3         | 21.71                 | 21.88                    | 21.96                  | 23                  | 1        |  |  |
| 1.4             | 16QAM      | 1       | 5         | 21.84                 | 21.87                    | 21.81                  |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 0         | 21.84                 | 21.84                    | 21.73                  |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.94                 | 22.00                    | 21.97                  |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.74                 | 21.68                    | 21.79                  | 22                  | 2        |  |  |
| 1.4             | 16QAM      | 6       | 0         | 20.84                 | 20.69                    | 20.99                  |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 0         | 20.77                 | 20.89                    | 20.81                  |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 3         | 20.83                 | 20.68                    | 20.89                  |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 5         | 20.91                 | 20.84                    | 20.68                  | 22                  | 2        |  |  |
| 1.4             | 64QAM      | 3       | 0         | 20.98                 | 20.78                    | 21.00                  |                     |          |  |  |
| 1.4             | 64QAM      | 3       | 1         | 20.84                 | 20.85                    | 20.83                  |                     |          |  |  |
| 1.4             | 64QAM      | 3       | 3         | 20.92                 | 20.73                    | 20.99                  |                     |          |  |  |
| 1.4             | 64QAM      | 6       | 0         | 19.75                 | 19.77                    | 19.78                  | 21                  | 3        |  |  |
| 1.4             | 256QAM     | 1       | 0         | 18.02                 | 17.99                    | 17.83                  |                     |          |  |  |
| 1.4             | 256QAM     | 1       | 3         | 18.03                 | 17.99                    | 17.97                  |                     |          |  |  |
| 1.4             | 256QAM     | 1       | 5         | 18.04                 | 17.90                    | 18.00                  |                     |          |  |  |
| 1.4             | 256QAM     | 3       | 0         | 17.88                 | 17.82                    | 17.87                  | 19                  | 5        |  |  |
| 1.4             | 256QAM     | 3       | 1         | 18.02                 | 17.76                    | 17.97                  |                     |          |  |  |
| 1.4             | 256QAM     | 3       | 3         | 17.73                 | 17.83                    | 17.95                  |                     |          |  |  |
| 1.4             | 256QAM     | 6       | 0         | 17.89                 | 17.93                    | 17.78                  |                     |          |  |  |

| Band 12 Ant 0   |            |         |           |                                                                                 |                                                                     |                        |                     |          |  |                     |          |
|-----------------|------------|---------|-----------|---------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------|---------------------|----------|--|---------------------|----------|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq.                                                           | Power Middle Ch. / Freq.                                            | Power High Ch. / Freq. | Turn-up limit (dBm) | MPR (dB) |  |                     |          |
| Channel         |            |         |           |                                                                                 |                                                                     |                        |                     |          |  |                     |          |
| Frequency (MHz) |            |         |           | 704                                                                             | 707.5                                                               | 711                    |                     |          |  |                     |          |
| 10              | QPSK       | 1       | 0         | 22.82                                                                           | 23.02                                                               | 22.80                  | 24                  | 0        |  |                     |          |
| 10              | QPSK       | 1       | 25        | 22.85                                                                           | 22.81                                                               | 22.76                  |                     |          |  |                     |          |
| 10              | QPSK       | 25      | 49        | 22.69                                                                           | 22.22                                                               | 22.77                  |                     |          |  |                     |          |
| 10              | QPSK       | 25      | 0         | 21.91                                                                           | 22.07                                                               | 22.01                  | 23                  | 1        |  |                     |          |
| 10              | QPSK       | 25      | 12        | 21.90                                                                           | 21.87                                                               | 21.99                  |                     |          |  |                     |          |
| 10              | QPSK       | 25      | 25        | 21.84                                                                           | 21.86                                                               | 22.03                  |                     |          |  |                     |          |
| 10              | QPSK       | 25      | 0         | 21.90                                                                           | 22.02                                                               | 21.88                  | 23                  | 1        |  |                     |          |
| 10              | 16QAM      | 1       | 0         | 22.09                                                                           | 21.98                                                               | 21.94                  |                     |          |  |                     |          |
| 10              | 16QAM      | 1       | 25        | 21.86                                                                           | 21.98                                                               | 22.09                  |                     |          |  |                     |          |
| 10              | 16QAM      | 1       | 49        | 21.96                                                                           | 21.96                                                               | 21.90                  | 22                  | 2        |  |                     |          |
| 10              | 16QAM      | 25      | 12        | 20.71                                                                           | 20.80                                                               | 20.84                  |                     |          |  |                     |          |
| 10              | 16QAM      | 25      | 12        | 20.80                                                                           | 20.68                                                               | 20.81                  |                     |          |  |                     |          |
| 10              | 16QAM      | 25      | 25        | 20.68                                                                           | 20.79                                                               | 20.63                  | 21                  | 3        |  |                     |          |
| 10              | 16QAM      | 50      | 0         | 20.78                                                                           | 20.82                                                               | 20.86                  |                     |          |  |                     |          |
| 10              | 64QAM      | 1       | 0         | 20.66                                                                           | 20.78                                                               | 20.83                  |                     |          |  |                     |          |
| 10              | 64QAM      | 1       | 25        | 20.72                                                                           | 20.72                                                               | 20.75                  | 22                  | 2        |  |                     |          |
| 10              | 64QAM      | 1       | 49        | 20.65                                                                           | 20.65                                                               | 20.79                  |                     |          |  |                     |          |
| 10              | 64QAM      | 25      | 0         | 19.81                                                                           | 19.72                                                               | 19.75                  |                     |          |  |                     |          |
| 10              | 64QAM      | 25      | 12        | 19.85                                                                           | 19.70                                                               | 19.90                  | 21                  | 3        |  |                     |          |
| 10              | 64QAM      | 25      | 12        | 19.85                                                                           | 19.78                                                               | 19.72                  |                     |          |  |                     |          |
| 10              | 64QAM      | 50      | 0         | 19.91                                                                           | 19.90                                                               | 19.71                  |                     |          |  |                     |          |
| 10              | 25QAM      | 1       | 0         | 17.77                                                                           | 17.88                                                               | 17.83                  | 19                  | 5        |  |                     |          |
| 10              | 25QAM      | 1       | 25        | 17.77                                                                           | 17.78                                                               | 17.80                  |                     |          |  |                     |          |
| 10              | 25QAM      | 1       | 49        | 17.80                                                                           | 17.82                                                               | 17.70                  |                     |          |  |                     |          |
| 10              | 25QAM      | 25      | 0         | 17.68                                                                           | 17.69                                                               | 17.80                  | 19                  | 5        |  |                     |          |
| 10              | 25QAM      | 25      | 12        | 17.67                                                                           | 17.79                                                               | 17.83                  |                     |          |  |                     |          |
| 10              | 25QAM      | 25      | 25        | 17.69                                                                           | 17.81                                                               | 17.85                  |                     |          |  |                     |          |
| 10              | 25QAM      | 50      | 0         | 17.70                                                                           | 17.86                                                               | 17.84                  | 20                  | 5        |  |                     |          |
| Channel         |            |         |           | 23035 <th>23095<th>23195</th><th>Turn-up limit (dBm)</th><th>MPR (dB)</th></th> | 23095 <th>23195</th> <th>Turn-up limit (dBm)</th> <th>MPR (dB)</th> | 23195                  |                     |          |  | Turn-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 701.5                                                                           | 707.5                                                               | 713.5                  |                     |          |  |                     |          |
| 5               | QPSK       | 1       | 0         | 22.68                                                                           | 22.95                                                               | 22.76                  | 24                  | 0        |  |                     |          |
| 5               | QPSK       | 1       | 12        | 22.66                                                                           | 22.98                                                               | 22.62                  |                     |          |  |                     |          |
| 5               | QPSK       | 1       | 49        | 22.48                                                                           | 22.45                                                               | 22.63                  |                     |          |  |                     |          |
| 5               | QPSK       | 12      | 0         | 21.71                                                                           | 22.04                                                               | 22.02                  | 23                  | 1        |  |                     |          |
| 5               | QPSK       | 12      | 7         | 21.85                                                                           | 21.68                                                               | 21.96                  |                     |          |  |                     |          |
| 5               | QPSK       | 12      | 13        | 21.80                                                                           | 21.82                                                               | 21.84                  |                     |          |  |                     |          |
| 5               | QPSK       | 25      | 0         | 21.98                                                                           | 21.98                                                               | 21.96                  | 23                  | 1        |  |                     |          |
| 5               | 16QAM      | 1       | 0         | 22.09                                                                           | 21.88                                                               | 21.95                  |                     |          |  |                     |          |
| 5               | 16QAM      | 1       | 12        | 21.70                                                                           | 21.93                                                               | 21.94                  |                     |          |  |                     |          |
| 5               | 16QAM      | 1       | 24        | 21.70                                                                           | 21.82                                                               | 21.80                  | 22                  | 2        |  |                     |          |
| 5               | 16QAM      | 1       | 25        | 20.59                                                                           | 20.59                                                               | 20.86                  |                     |          |  |                     |          |
| 5               | 16QAM      | 12      | 7         | 20.80                                                                           | 20.50                                                               | 20.77                  |                     |          |  |                     |          |
| 5               | 16QAM      | 12      | 13        | 20.53                                                                           | 20.78                                                               | 20.47                  | 22                  | 2        |  |                     |          |
| 5               | 16QAM      | 25      | 0         | 20.64                                                                           | 20.65                                                               | 20.81                  |                     |          |  |                     |          |
| 5               | 64QAM      | 1       | 0         | 20.47                                                                           | 20.48                                                               | 20.70                  |                     |          |  |                     |          |
| 5               | 64QAM      | 12      | 0         | 19.75                                                                           | 19.57                                                               | 19.62                  | 21                  | 3        |  |                     |          |
| 5               | 64QAM      | 12      | 7         | 19.86                                                                           | 19.50                                                               | 19.77                  |                     |          |  |                     |          |
| 5               | 64QAM      | 12      | 13        | 19.69                                                                           | 19.69                                                               | 19.59                  |                     |          |  |                     |          |
| 5               | 64QAM      | 25      | 0         | 19.91                                                                           | 19.70                                                               | 19.65                  | 19                  | 5        |  |                     |          |
| 5               | 25QAM      | 1       | 0         | 17.55                                                                           | 17.86                                                               | 17.75                  |                     |          |  |                     |          |
| 5               | 25QAM      | 1       | 12        | 17.58                                                                           | 17.78                                                               | 17.87                  |                     |          |  |                     |          |
| 5               | 25QAM      | 1       | 24        | 17.87                                                                           | 17.72                                                               | 17.55                  | 20                  | 5        |  |                     |          |
| 5               | 25QAM      | 12      | 0         | 17.61                                                                           | 17.52                                                               | 17.61                  |                     |          |  |                     |          |
| 5               | 25QAM      | 12      | 7         | 17.54                                                                           | 17.66                                                               | 17.71                  |                     |          |  |                     |          |
| 5               | 25QAM      | 12      | 13        | 17.50                                                                           | 17.70                                                               | 17.79                  | 21                  | 5        |  |                     |          |
| 5               | 25QAM      | 25      | 0         | 17.54                                                                           | 17.74                                                               | 17.74                  |                     |          |  |                     |          |
| Channel         |            |         |           | 23025                                                                           | 23095                                                               | 23195                  |                     |          |  | Turn-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 700.5                                                                           | 707.5                                                               | 714.5                  |                     |          |  |                     |          |
| 3               | QPSK       | 1       | 0         | 22.74                                                                           | 22.94                                                               | 22.61                  | 24                  | 0        |  |                     |          |
| 3               | QPSK       | 1       | 12        | 22.55                                                                           | 22.76                                                               | 22.64                  |                     |          |  |                     |          |
| 3               | QPSK       | 1       | 14        | 22.64                                                                           | 22.69                                                               | 22.53                  |                     |          |  |                     |          |
| 3               | QPSK       | 8       | 0         | 21.79                                                                           | 22.01                                                               | 21.88                  | 23                  | 1        |  |                     |          |
| 3               | QPSK       | 8       | 4         | 21.89                                                                           | 21.79                                                               | 22.01                  |                     |          |  |                     |          |
| 3               | QPSK       | 8       | 7         | 21.95                                                                           | 21.85                                                               | 22.01                  |                     |          |  |                     |          |
| 3               | QPSK       | 15      | 0         | 21.85                                                                           | 21.85                                                               | 21.82                  | 23                  | 1        |  |                     |          |
| 3               | 16QAM      | 1       | 0         | 21.93                                                                           | 21.87                                                               | 21.93                  |                     |          |  |                     |          |
| 3               | 16QAM      | 1       | 8         | 21.87                                                                           | 21.88                                                               | 21.97                  |                     |          |  |                     |          |
| 3               | 16QAM      | 1       | 14        | 21.86                                                                           | 21.91                                                               | 21.68                  | 22                  | 2        |  |                     |          |
| 3               | 16QAM      | 1       | 15        | 20.61                                                                           | 20.69                                                               | 20.65                  |                     |          |  |                     |          |
| 3               | 16QAM      | 8       | 4         | 20.80                                                                           | 20.67                                                               | 20.80                  |                     |          |  |                     |          |
| 3               | 16QAM      | 15      | 0         | 20.72                                                                           | 20.66                                                               | 20.86                  | 21                  | 3        |  |                     |          |
| 3               | 64QAM      | 1       | 0         | 20.56                                                                           | 20.47                                                               | 20.77                  |                     |          |  |                     |          |
| 3               | 64QAM      | 1       | 8         | 20.71                                                                           | 20.69                                                               | 20.59                  |                     |          |  |                     |          |
| 3               | 64QAM      | 1       | 14        | 20.52                                                                           | 20.60                                                               | 20.61                  | 20                  | 5        |  |                     |          |
| 3               | 64QAM      | 8       | 0         | 19.74                                                                           | 19.53                                                               | 19.75                  |                     |          |  |                     |          |
| 3               | 64QAM      | 8       | 4         | 19.79                                                                           | 19.57                                                               | 19.73                  |                     |          |  |                     |          |
| 3               | 64QAM      | 8       | 7         | 19.84                                                                           | 19.78                                                               | 19.59                  | 21                  | 3        |  |                     |          |
| 3               | 64QAM      | 15      | 0         | 19.76                                                                           | 19.86                                                               | 18.72                  |                     |          |  |                     |          |
| 3               | 25QAM      | 1       | 0         | 17.70                                                                           | 17.76                                                               | 17.79                  |                     |          |  |                     |          |
| 3               | 25QAM      | 1       | 8         | 17.69                                                                           | 17.77                                                               | 17.59                  | 19                  | 5        |  |                     |          |
| 3               | 25QAM      | 1       | 14        | 17.76                                                                           | 17.61                                                               | 17.59                  |                     |          |  |                     |          |
| 3               | 25QAM      | 8       | 0         | 17.63                                                                           | 17.57                                                               | 17.78                  |                     |          |  |                     |          |
| 3               | 25QAM      | 8       | 4         | 17.45                                                                           | 17.72                                                               | 17.51                  | 19                  | 5        |  |                     |          |
| 3               | 25QAM      | 8       | 7         | 17.56                                                                           | 17.60                                                               | 17.77                  |                     |          |  |                     |          |
| 3               | 25QAM      | 15      | 0         | 17.59                                                                           | 17.68                                                               | 17.76                  |                     |          |  |                     |          |
| Channel         |            |         |           | 23017                                                                           | 23095                                                               | 23173                  | Turn-up limit (dBm) | MPR (dB) |  |                     |          |
| Frequency (MHz) |            |         |           | 699.7                                                                           | 707.5                                                               | 715.3                  |                     |          |  |                     |          |
| 1.4             | QPSK       | 1       | 0         | 22.77                                                                           | 22.93                                                               | 22.81                  | 24                  | 0        |  |                     |          |
| 1.4             | QPSK       | 1       | 12        | 22.44                                                                           | 22.22                                                               | 22.51                  |                     |          |  |                     |          |
| 1.4             | QPSK       | 1       | 5         | 22.63                                                                           | 22.83                                                               | 22.71                  |                     |          |  |                     |          |
| 1.4             | QPSK       | 3       | 1         | 22.45                                                                           | 22.68                                                               | 22.75                  | 23                  | 1        |  |                     |          |
| 1.4             | QPSK       | 3       | 1         | 22.50                                                                           | 22.22                                                               | 22.65                  |                     |          |  |                     |          |
| 1.4             | QPSK       | 6       | 0         | 21.92                                                                           | 21.84                                                               | 21.69                  |                     |          |  |                     |          |
| 1.4             | 16QAM      | 1       | 0         | 21.89                                                                           | 21.79                                                               | 21.82                  | 22                  | 2        |  |                     |          |
| 1.4             | 16QAM      | 1       | 3         | 21.84                                                                           | 21.77                                                               | 21.93                  |                     |          |  |                     |          |
| 1.4             | 16QAM      | 3       | 1         | 21.87                                                                           | 21.77                                                               | 21.78                  |                     |          |  |                     |          |
| 1.4             | 16QAM      | 3       | 0         | 21.73                                                                           | 21.84                                                               | 21.80                  | 23                  | 1        |  |                     |          |
| 1.4             | 16QAM      | 3       | 1         | 21.84                                                                           | 21.66                                                               | 21.89                  |                     |          |  |                     |          |
| 1.4             | 16QAM      | 3       | 3         | 21.82                                                                           | 21.93                                                               | 21.74                  |                     |          |  |                     |          |
| 1.4             | 64QAM      | 1       | 0         | 20.69                                                                           | 20.63                                                               | 20.71                  | 22                  | 2        |  |                     |          |
| 1.4             | 64QAM      | 1       | 0         | 20.44                                                                           | 20.47                                                               | 20.79                  |                     |          |  |                     |          |
| 1.4             | 64QAM      | 1       | 3         | 20.64                                                                           | 20.59                                                               | 20.59                  |                     |          |  |                     |          |
| 1.4             | 64QAM      | 1       | 5         | 20.43                                                                           | 20.44                                                               | 20.77                  | 22                  | 2        |  |                     |          |
| 1.4             | 64QAM      | 3       | 0         | 20.71                                                                           | 20.32                                                               | 20.78                  |                     |          |  |                     |          |
| 1.4             | 64QAM      | 3       | 0         | 20.58                                                                           | 20.78                                                               | 20.48                  |                     |          |  |                     |          |
| 1.4             | 64QAM      | 3       | 3         | 20.65                                                                           | 20.71                                                               | 20.85                  | 21                  | 3        |  |                     |          |
| 1.4             | 64QAM      | 6       | 0         | 19.74                                                                           | 19.69                                                               | 19.57                  |                     |          |  |                     |          |
| 1.4             | 25QAM      | 1       | 0         | 17.60                                                                           | 17.80                                                               | 17.62                  |                     |          |  |                     |          |
| 1.4             | 25QAM      | 3       | 1         | 17.68                                                                           | 17.77                                                               | 17.72                  | 19                  | 5        |  |                     |          |
| 1.4             | 25QAM      | 3       | 1         | 17.88                                                                           | 17.79                                                               | 17.50                  |                     |          |  |                     |          |
| 1.4             | 25QAM      | 3       | 0         | 17.57                                                                           | 17.55                                                               | 17.66                  |                     |          |  |                     |          |
| 1.4             | 25QAM      | 3       | 1         | 17.64                                                                           | 17.60                                                               | 17.66                  | 20                  | 5        |  |                     |          |
| 1.4             | 25QAM      | 3       | 1         | 17.53                                                                           | 17.76                                                               | 17.65                  |                     |          |  |                     |          |
| 1.4             | 25QAM      | 6       | 0         | 17.57                                                                           | 17.65                                                               | 17.68                  |                     |          |  |                     |          |

| Band 17 Ant 0   |            |         |           |                             |                                |                              |                                  |                    |       |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|----------------------------------|--------------------|-------|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 20760 | Power Middle Ch. / Freq. 20790 | Power High Ch. / Freq. 20800 | Tune-up (limit, dBm)             | MPR (dB)           |       |
| Channel         |            |         |           |                             |                                |                              |                                  |                    |       |
| Frequency (MHz) |            |         |           |                             |                                |                              |                                  |                    |       |
| 10              | QPSK       | 1       | 0         | 22.82                       | 22.85                          | 22.77                        | 24                               | 0                  |       |
| 10              | QPSK       | 1       | 25        | 22.70                       | 22.78                          | 22.65                        |                                  |                    |       |
| 10              | QPSK       | 1       | 49        | 22.66                       | 22.78                          | 22.58                        |                                  |                    |       |
| 10              | QPSK       | 25      | 0         | 21.75                       | 21.93                          | 21.78                        |                                  |                    |       |
| 10              | QPSK       | 25      | 12        | 21.78                       | 21.88                          | 21.92                        | 23                               | 1                  |       |
| 10              | QPSK       | 25      | 25        | 21.76                       | 21.80                          | 21.87                        |                                  |                    |       |
| 10              | QPSK       | 56      | 0         | 21.83                       | 21.90                          | 21.88                        |                                  |                    |       |
| 10              | 16QAM      | 1       | 0         | 21.82                       | 21.94                          | 21.73                        |                                  |                    |       |
| 10              | 16QAM      | 1       | 25        | 21.83                       | 21.92                          | 21.86                        | 23                               | 1                  |       |
| 10              | 16QAM      | 1       | 49        | 21.94                       | 21.89                          | 21.81                        |                                  |                    |       |
| 10              | 16QAM      | 25      | 0         | 20.76                       | 20.87                          | 20.74                        |                                  |                    |       |
| 10              | 16QAM      | 25      | 12        | 20.80                       | 20.80                          | 20.84                        |                                  |                    |       |
| 10              | 16QAM      | 25      | 25        | 20.77                       | 20.75                          | 20.87                        | 22                               | 2                  |       |
| 10              | 16QAM      | 50      | 0         | 20.82                       | 20.67                          | 20.84                        |                                  |                    |       |
| 10              | 64QAM      | 1       | 0         | 20.76                       | 20.77                          | 20.81                        |                                  |                    |       |
| 10              | 64QAM      | 1       | 25        | 20.73                       | 20.75                          | 20.89                        |                                  |                    |       |
| 10              | 64QAM      | 1       | 49        | 20.89                       | 20.79                          | 20.86                        | 22                               | 2                  |       |
| 10              | 64QAM      | 25      | 0         | 19.91                       | 19.81                          | 19.91                        |                                  |                    |       |
| 10              | 64QAM      | 25      | 12        | 19.72                       | 19.86                          | 19.75                        |                                  |                    |       |
| 10              | 64QAM      | 25      | 25        | 19.81                       | 19.81                          | 19.91                        |                                  |                    |       |
| 10              | 64QAM      | 50      | 0         | 19.82                       | 19.71                          | 19.92                        | 21                               | 3                  |       |
| 10              | 256QAM     | 1       | 0         | 17.88                       | 17.82                          | 17.87                        |                                  |                    |       |
| 10              | 256QAM     | 1       | 25        | 17.83                       | 17.98                          | 17.88                        |                                  |                    |       |
| 10              | 256QAM     | 1       | 49        | 17.82                       | 17.86                          | 17.88                        |                                  |                    |       |
| 10              | 256QAM     | 25      | 0         | 17.82                       | 17.83                          | 17.74                        | 19                               | 5                  |       |
| 10              | 256QAM     | 25      | 12        | 17.96                       | 17.84                          | 17.81                        |                                  |                    |       |
| 10              | 256QAM     | 25      | 25        | 17.89                       | 17.84                          | 17.84                        |                                  |                    |       |
| 10              | 256QAM     | 50      | 0         | 17.87                       | 17.82                          | 17.96                        |                                  |                    |       |
| Channel         |            |         |           |                             |                                |                              |                                  |                    |       |
| Frequency (MHz) |            |         |           |                             |                                |                              | 706.5 <th>710<th>713.5</th></th> | 710 <th>713.5</th> | 713.5 |
| 5               | QPSK       | 1       | 0         | 22.70                       | 22.72                          | 22.55                        | 24                               | 0                  |       |
| 5               | QPSK       | 1       | 12        | 22.62                       | 22.75                          | 22.45                        |                                  |                    |       |
| 5               | QPSK       | 1       | 24        | 22.65                       | 22.58                          | 22.50                        |                                  |                    |       |
| 5               | QPSK       | 12      | 0         | 21.62                       | 21.86                          | 21.65                        |                                  |                    |       |
| 5               | QPSK       | 12      | 7         | 21.73                       | 21.72                          | 21.89                        | 23                               | 1                  |       |
| 5               | QPSK       | 12      | 13        | 21.77                       | 21.74                          | 21.67                        |                                  |                    |       |
| 5               | QPSK       | 25      | 0         | 21.64                       | 21.75                          | 21.67                        |                                  |                    |       |
| 5               | 16QAM      | 1       | 0         | 21.62                       | 21.62                          | 21.58                        |                                  |                    |       |
| 5               | 16QAM      | 1       | 12        | 21.64                       | 21.62                          | 21.56                        | 23                               | 1                  |       |
| 5               | 16QAM      | 1       | 24        | 20.87                       | 20.75                          | 20.70                        |                                  |                    |       |
| 5               | 16QAM      | 1       | 24        | 21.77                       | 21.76                          | 21.82                        |                                  |                    |       |
| 5               | 16QAM      | 12      | 0         | 20.76                       | 20.89                          | 20.55                        |                                  |                    |       |
| 5               | 16QAM      | 12      | 7         | 20.67                       | 20.75                          | 20.57                        | 22                               | 2                  |       |
| 5               | 16QAM      | 12      | 13        | 20.84                       | 20.70                          | 20.75                        |                                  |                    |       |
| 5               | 16QAM      | 25      | 0         | 20.81                       | 20.69                          | 20.74                        |                                  |                    |       |
| 5               | 64QAM      | 1       | 0         | 20.63                       | 20.78                          | 20.72                        |                                  |                    |       |
| 5               | 64QAM      | 1       | 12        | 20.51                       | 20.75                          | 20.87                        | 22                               | 2                  |       |
| 5               | 64QAM      | 1       | 24        | 20.67                       | 20.73                          | 20.70                        |                                  |                    |       |
| 5               | 64QAM      | 12      | 0         | 19.89                       | 19.77                          | 19.84                        |                                  |                    |       |
| 5               | 64QAM      | 12      | 7         | 19.70                       | 19.79                          | 19.58                        |                                  |                    |       |
| 5               | 64QAM      | 12      | 13        | 19.85                       | 19.77                          | 19.81                        | 21                               | 3                  |       |
| 5               | 64QAM      | 25      | 0         | 19.82                       | 19.83                          | 19.88                        |                                  |                    |       |
| 5               | 256QAM     | 1       | 0         | 17.89                       | 17.73                          | 17.84                        |                                  |                    |       |
| 5               | 256QAM     | 1       | 12        | 17.71                       | 17.83                          | 17.87                        |                                  |                    |       |
| 5               | 256QAM     | 1       | 24        | 17.82                       | 17.62                          | 17.88                        | 19                               | 5                  |       |
| 5               | 256QAM     | 12      | 0         | 17.76                       | 17.80                          | 17.80                        |                                  |                    |       |
| 5               | 256QAM     | 12      | 7         | 17.92                       | 17.70                          | 17.81                        |                                  |                    |       |
| 5               | 256QAM     | 12      | 13        | 17.73                       | 17.82                          | 17.79                        |                                  |                    |       |
| 5               | 256QAM     | 25      | 0         | 17.74                       | 17.76                          | 17.93                        | 19                               | 5                  |       |

| Band 26 Ant 0   |            |         |           |                             |                                |                              |                     |          |  |   |  |  |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|---------------------|----------|--|---|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 26765 | Power Middle Ch. / Freq. 26865 | Power High Ch. / Freq. 26965 | Time-up limit (dBm) | MPR (dB) |  |   |  |  |
| Channel         |            |         |           | 821.5                       | 831.5                          | 841.5                        |                     |          |  |   |  |  |
| 15              | QPSK       | 1       | 0         | 22.85                       | 23.06                          | 22.88                        | 24                  | 0        |  |   |  |  |
| 15              | QPSK       | 1       | 37        | 22.84                       | 22.75                          | 22.68                        |                     |          |  |   |  |  |
| 15              | QPSK       | 1       | 74        | 22.78                       | 22.91                          | 22.78                        |                     |          |  |   |  |  |
| 15              | QPSK       | 36      | 0         | 21.85                       | 21.95                          | 21.81                        |                     |          |  |   |  |  |
| 15              | QPSK       | 36      | 20        | 21.81                       | 21.83                          | 21.75                        | 23                  | 1        |  |   |  |  |
| 15              | QPSK       | 36      | 39        | 21.84                       | 21.85                          | 21.80                        |                     |          |  |   |  |  |
| 15              | QPSK       | 75      | 0         | 21.71                       | 21.81                          | 21.81                        |                     |          |  |   |  |  |
| 15              | 16QAM      | 1       | 0         | 21.73                       | 21.72                          | 21.76                        |                     |          |  |   |  |  |
| 15              | 16QAM      | 1       | 37        | 21.76                       | 21.78                          | 21.76                        | 23                  | 1        |  |   |  |  |
| 15              | 16QAM      | 1       | 74        | 21.78                       | 21.90                          | 21.92                        |                     |          |  |   |  |  |
| 15              | 16QAM      | 36      | 0         | 20.84                       | 20.79                          | 20.79                        |                     |          |  |   |  |  |
| 15              | 16QAM      | 36      | 20        | 20.84                       | 20.92                          | 20.84                        |                     |          |  |   |  |  |
| 15              | 16QAM      | 36      | 39        | 20.86                       | 20.98                          | 20.81                        | 22                  | 2        |  |   |  |  |
| 15              | 16QAM      | 75      | 0         | 21.00                       | 20.93                          | 20.97                        |                     |          |  |   |  |  |
| 15              | 64QAM      | 1       | 0         | 20.88                       | 20.87                          | 20.81                        |                     |          |  |   |  |  |
| 15              | 64QAM      | 1       | 37        | 20.91                       | 20.76                          | 20.89                        |                     |          |  |   |  |  |
| 15              | 64QAM      | 1       | 74        | 20.82                       | 20.79                          | 20.88                        | 22                  | 2        |  |   |  |  |
| 15              | 64QAM      | 36      | 0         | 19.87                       | 19.85                          | 19.88                        |                     |          |  |   |  |  |
| 15              | 64QAM      | 36      | 20        | 20.01                       | 19.98                          | 19.90                        |                     |          |  |   |  |  |
| 15              | 64QAM      | 36      | 39        | 19.93                       | 19.82                          | 19.97                        |                     |          |  |   |  |  |
| 15              | 64QAM      | 75      | 0         | 19.86                       | 20.00                          | 19.89                        | 21                  | 3        |  |   |  |  |
| 15              | 256QAM     | 1       | 0         | 17.73                       | 17.73                          | 17.87                        |                     |          |  |   |  |  |
| 15              | 256QAM     | 1       | 37        | 17.71                       | 17.84                          | 17.92                        |                     |          |  |   |  |  |
| 15              | 256QAM     | 1       | 74        | 17.82                       | 17.90                          | 17.84                        |                     |          |  |   |  |  |
| 15              | 256QAM     | 36      | 0         | 17.75                       | 17.69                          | 17.79                        | 19                  | 5        |  |   |  |  |
| 15              | 256QAM     | 36      | 20        | 17.88                       | 17.71                          | 17.78                        |                     |          |  |   |  |  |
| 15              | 256QAM     | 36      | 39        | 17.83                       | 17.87                          | 17.93                        |                     |          |  |   |  |  |
| 15              | 256QAM     | 75      | 0         | 17.84                       | 17.78                          | 17.81                        |                     |          |  |   |  |  |
| Channel         |            |         |           | 26740                       | 26865                          | 26960                        |                     |          |  |   |  |  |
| Frequency (MHz) |            |         |           | 819                         | 833.5                          | 846                          |                     |          |  |   |  |  |
| 10              | QPSK       | 1       | 0         | 22.71                       | 22.88                          | 22.73                        | 24                  | 0        |  |   |  |  |
| 10              | QPSK       | 1       | 25        | 22.78                       | 22.65                          | 22.56                        |                     |          |  |   |  |  |
| 10              | QPSK       | 1       | 49        | 22.62                       | 22.75                          | 22.68                        |                     |          |  |   |  |  |
| 10              | QPSK       | 25      | 0         | 21.69                       | 21.81                          | 21.61                        |                     |          |  |   |  |  |
| 10              | QPSK       | 25      | 12        | 21.77                       | 21.79                          | 21.75                        | 23                  | 1        |  |   |  |  |
| 10              | QPSK       | 25      | 25        | 21.78                       | 21.79                          | 21.69                        |                     |          |  |   |  |  |
| 10              | QPSK       | 50      | 0         | 21.68                       | 21.60                          | 21.66                        |                     |          |  |   |  |  |
| 10              | 16QAM      | 1       | 0         | 21.70                       | 21.71                          | 21.66                        |                     |          |  |   |  |  |
| 10              | 16QAM      | 1       | 25        | 21.75                       | 21.58                          | 21.75                        | 23                  | 1        |  |   |  |  |
| 10              | 16QAM      | 1       | 49        | 21.59                       | 21.81                          | 21.74                        |                     |          |  |   |  |  |
| 10              | 16QAM      | 25      | 0         | 20.77                       | 20.80                          | 20.58                        |                     |          |  |   |  |  |
| 10              | 16QAM      | 25      | 12        | 20.71                       | 20.89                          | 20.72                        |                     |          |  |   |  |  |
| 10              | 16QAM      | 25      | 25        | 20.78                       | 20.85                          | 20.86                        | 22                  | 2        |  |   |  |  |
| 10              | 16QAM      | 50      | 0         | 20.81                       | 20.78                          | 20.79                        |                     |          |  |   |  |  |
| 10              | 64QAM      | 1       | 0         | 20.86                       | 20.70                          | 20.73                        |                     |          |  |   |  |  |
| 10              | 64QAM      | 1       | 25        | 20.79                       | 20.65                          | 20.76                        |                     |          |  |   |  |  |
| 10              | 64QAM      | 1       | 49        | 20.78                       | 20.69                          | 20.74                        | 22                  | 2        |  |   |  |  |
| 10              | 64QAM      | 25      | 0         | 19.82                       | 19.85                          | 19.68                        |                     |          |  |   |  |  |
| 10              | 64QAM      | 25      | 12        | 19.98                       | 19.97                          | 19.88                        |                     |          |  |   |  |  |
| 10              | 64QAM      | 25      | 25        | 19.94                       | 19.62                          | 19.79                        |                     |          |  |   |  |  |
| 10              | 64QAM      | 50      | 0         | 19.80                       | 19.96                          | 19.78                        | 21                  | 3        |  |   |  |  |
| 10              | 256QAM     | 1       | 0         | 17.58                       | 17.58                          | 17.87                        |                     |          |  |   |  |  |
| 10              | 256QAM     | 1       | 25        | 17.54                       | 17.84                          | 17.94                        |                     |          |  |   |  |  |
| 10              | 256QAM     | 1       | 49        | 17.71                       | 17.86                          | 17.80                        |                     |          |  |   |  |  |
| 10              | 256QAM     | 25      | 0         | 17.65                       | 17.57                          | 17.70                        | 19                  | 5        |  |   |  |  |
| 10              | 256QAM     | 25      | 12        | 17.66                       | 17.52                          | 17.68                        |                     |          |  |   |  |  |
| 10              | 256QAM     | 25      | 25        | 17.70                       | 17.65                          | 17.91                        |                     |          |  |   |  |  |
| 10              | 256QAM     | 50      | 0         | 17.80                       | 17.74                          | 17.76                        |                     |          |  |   |  |  |
| Channel         |            |         |           | 26715                       | 26865                          | 27015                        |                     |          |  |   |  |  |
| Frequency (MHz) |            |         |           | 816.5                       | 831.5                          | 846.5                        |                     |          |  |   |  |  |
| 5               | QPSK       | 1       | 0         | 22.78                       | 22.74                          | 22.77                        | 24                  | 0        |  |   |  |  |
| 5               | QPSK       | 1       | 12        | 22.80                       | 22.56                          | 22.69                        |                     |          |  |   |  |  |
| 5               | QPSK       | 1       | 24        | 22.72                       | 22.70                          | 22.66                        |                     |          |  |   |  |  |
| 5               | QPSK       | 12      | 0         | 21.80                       | 21.75                          | 21.64                        |                     |          |  |   |  |  |
| 5               | QPSK       | 12      | 7         | 21.76                       | 21.65                          | 21.62                        | 23                  | 1        |  |   |  |  |
| 5               | QPSK       | 12      | 13        | 21.67                       | 21.87                          | 21.79                        |                     |          |  |   |  |  |
| 5               | QPSK       | 25      | 0         | 21.63                       | 21.60                          | 21.65                        |                     |          |  |   |  |  |
| 5               | 16QAM      | 1       | 0         | 21.64                       | 21.53                          | 21.66                        |                     |          |  |   |  |  |
| 5               | 16QAM      | 1       | 12        | 21.66                       | 21.51                          | 21.61                        | 23                  | 1        |  |   |  |  |
| 5               | 16QAM      | 1       | 24        | 21.60                       | 21.75                          | 21.62                        |                     |          |  |   |  |  |
| 5               | 16QAM      | 12      | 0         | 20.79                       | 20.74                          | 20.76                        |                     |          |  |   |  |  |
| 5               | 16QAM      | 12      | 7         | 20.85                       | 20.77                          | 20.66                        |                     |          |  |   |  |  |
| 5               | 16QAM      | 12      | 13        | 20.81                       | 20.89                          | 20.80                        | 22                  | 2        |  |   |  |  |
| 5               | 16QAM      | 25      | 0         | 20.98                       | 20.78                          | 20.79                        |                     |          |  |   |  |  |
| 5               | 64QAM      | 1       | 0         | 20.83                       | 20.85                          | 20.64                        |                     |          |  |   |  |  |
| 5               | 64QAM      | 1       | 12        | 20.83                       | 20.71                          | 20.85                        |                     |          |  |   |  |  |
| 5               | 64QAM      | 1       | 24        | 20.68                       | 20.73                          | 20.70                        | 22                  | 2        |  |   |  |  |
| 5               | 64QAM      | 12      | 0         | 19.95                       | 19.78                          | 19.86                        |                     |          |  |   |  |  |
| 5               | 64QAM      | 12      | 7         | 19.89                       | 19.95                          | 19.86                        |                     |          |  |   |  |  |
| 5               | 64QAM      | 12      | 13        | 19.89                       | 19.80                          | 19.87                        |                     |          |  |   |  |  |
| 5               | 64QAM      | 25      | 0         | 19.89                       | 19.86                          | 19.73                        | 21                  | 3        |  |   |  |  |
| 5               | 64QAM      | 25      | 12        | 17.63                       | 17.71                          | 17.83                        |                     |          |  |   |  |  |
| 5               | 256QAM     | 1       | 0         | 17.71                       | 17.85                          | 17.83                        |                     |          |  |   |  |  |
| 5               | 256QAM     | 1       | 24        | 17.71                       | 17.87                          | 17.71                        |                     |          |  |   |  |  |
| 5               | 256QAM     | 12      | 0         | 17.62                       | 17.63                          | 17.81                        |                     |          |  |   |  |  |
| 5               | 256QAM     | 12      | 7         | 17.63                       | 17.57                          | 17.67                        |                     |          |  |   |  |  |
| 5               | 256QAM     | 12      | 13        | 17.62                       | 17.76                          | 17.87                        | 19                  | 5        |  |   |  |  |
| 5               | 256QAM     | 25      | 0         | 17.74                       | 17.77                          | 17.78                        |                     |          |  |   |  |  |
| Channel         |            |         |           | 26705                       | 26865                          | 27025                        |                     |          |  |   |  |  |
| Frequency (MHz) |            |         |           | 816.5                       | 831.5                          | 846.5                        |                     |          |  |   |  |  |
| 3               | QPSK       | 1       | 0         | 22.80                       | 22.72                          | 22.75                        | 24                  |          |  | 0 |  |  |
| 3               | QPSK       | 1       | 8         | 22.84                       | 22.72                          | 22.47                        |                     |          |  |   |  |  |
| 3               | QPSK       | 1       | 14        | 22.76                       | 22.73                          | 22.72                        |                     |          |  |   |  |  |
| 3               | QPSK       | 8       | 0         | 21.75                       | 21.93                          | 21.64                        |                     |          |  |   |  |  |
| 3               | QPSK       | 8       | 4         | 21.71                       | 21.67                          | 21.64                        | 23                  | 1        |  |   |  |  |
| 3               | QPSK       | 8       | 7         | 21.62                       | 21.62                          | 21.63                        |                     |          |  |   |  |  |
| 3               | QPSK       | 15      | 0         | 21.64                       | 21.72                          | 21.69                        |                     |          |  |   |  |  |
| 3               | 16QAM      | 1       | 0         | 21.57                       | 21.52                          | 21.57                        |                     |          |  |   |  |  |
| 3               | 16QAM      | 1       | 4         | 21.61                       | 21.48                          | 21.57                        | 23                  | 1        |  |   |  |  |
| 3               | 16QAM      | 1       | 14        | 21.64                       | 21.55                          | 21.53                        |                     |          |  |   |  |  |
| 3               | 16QAM      | 8       | 0         | 20.70                       | 20.72                          | 20.70                        |                     |          |  |   |  |  |
| 3               | 16QAM      | 8       | 4         | 20.65                       | 20.75                          | 20.62                        |                     |          |  |   |  |  |
| 3               | 16QAM      | 7       | 0         | 20.85                       | 20.76                          | 20.76                        | 22                  | 2        |  |   |  |  |
| 3               | 16QAM      | 7       | 4         | 21.00                       | 20.20                          | 20.89                        |                     |          |  |   |  |  |
| 3               | 64QAM      | 1       | 0         | 20.77                       | 20.67                          | 20.60                        |                     |          |  |   |  |  |
| 3               | 64QAM      | 1       | 8         | 20.93                       | 20.58                          | 20.77                        |                     |          |  |   |  |  |
| 3               | 64QAM      | 1       | 14        | 20.81                       | 20.78                          | 20.73                        | 22                  | 2        |  |   |  |  |
| 3               | 64QAM      | 7       | 0         | 19.92                       | 19.86                          | 19.85                        |                     |          |  |   |  |  |
| 3               | 64QAM      | 8       | 4         | 19.97                       | 19.79                          | 19.89                        |                     |          |  |   |  |  |
| 3               | 64QAM      | 7       | 4         | 19.86                       | 19.97                          | 19.79                        |                     |          |  |   |  |  |
| 3               | 64QAM      | 15      | 0         | 19.89                       | 19.83                          | 19.84                        | 21                  | 3        |  |   |  |  |
| 3               | 256QAM     | 1       | 0         | 17.70                       | 17.69                          | 17.81                        |                     |          |  |   |  |  |
| 3               | 256QAM     | 1       | 14        | 17.66                       | 17.81                          | 17.71                        |                     |          |  |   |  |  |
| 3               | 256QAM     | 1       | 14        | 17.75                       | 17.88                          | 17.71                        |                     |          |  |   |  |  |
| 3               | 256QAM     | 8       | 0         | 17.77                       | 17.69                          | 17.81                        | 19                  | 5        |  |   |  |  |
| 3               | 256QAM     | 8       | 4         | 17.84                       | 17.52                          | 17.88                        |                     |          |  |   |  |  |
| 3               | 256QAM     | 8       | 7         | 17.79                       | 17.77                          | 17.85                        |                     |          |  |   |  |  |
| 3               | 256QAM     | 15      | 0         | 17.75                       | 17.73                          | 17.65                        |                     |          |  |   |  |  |
| Channel         |            |         |           | 26699                       | 26865                          | 27003                        |                     |          |  |   |  |  |
| Frequency (MHz) |            |         |           | 814.7                       | 831.5                          | 848.3                        |                     |          |  |   |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.67                       | 22.65                          | 22.62                        | 24                  | 0        |  |   |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.68                       | 22.22                          | 22.22                        |                     |          |  |   |  |  |
| 1.4             | QPSK       | 1       | 5         | 22.61                       | 22.90                          | 22.64                        |                     |          |  |   |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.64                       | 22.92                          | 22.90                        |                     |          |  |   |  |  |
| 1.4             | QPSK       | 3       | 1         | 22.81                       | 22.64                          | 22.62                        | 23                  | 1        |  |   |  |  |
| 1.4             | QPSK       | 3       | 1         | 22.57                       | 22.62                          | 22.63                        |                     |          |  |   |  |  |
| 1.4             | QPSK       | 6       | 0         | 21.70                       | 21.71                          | 21.82                        |                     |          |  |   |  |  |
| 1.4             | 16QAM      | 1       | 0         | 21.64                       | 21.72                          | 21.72                        |                     |          |  |   |  |  |
| 1.4             | 16QAM      | 1       | 3         | 21.69                       | 21.70                          | 21.60                        | 23                  | 1        |  |   |  |  |
| 1.4             | 16QAM      | 1       | 3         | 21.73                       | 21.61                          | 21.78                        |                     |          |  |   |  |  |
| 1.4             | 16QAM      | 3       | 0         | 21.54                       | 21.65                          | 21.60                        |                     |          |  |   |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.74                       | 21.50                          | 21.63                        |                     |          |  |   |  |  |
| 1.4             | 16QAM      | 3       | 3         | 21.69                       | 21.59                          | 21.66                        | 22                  | 2        |  |   |  |  |
| 1.4             | 16QAM      | 6       | 0         | 20.80                       | 20.80                          | 20.77                        |                     |          |  |   |  |  |
| 1.4             | 16QAM      | 6       | 20        | 20.88                       | 20.20                          | 20.89                        |                     |          |  |   |  |  |
| 1.4             | 16QAM      | 3       | 3         | 20.74                       | 20.80                          | 20.72                        |                     |          |  |   |  |  |
| 1.4             | 16QAM      | 1       | 5         | 20.75                       | 20.70                          | 20.78                        | 22                  | 2        |  |   |  |  |
| 1.4             | 64QAM      | 3       | 0         | 20.83                       | 20.77                          | 20.80                        |                     |          |  |   |  |  |
| 1.4             | 64QAM      | 3       | 20        | 20.84                       | 20.20                          | 20.78                        |                     |          |  |   |  |  |
| 1.4             | 64QAM      | 3       | 3         | 20.71                       | 20.80                          | 20.78                        |                     |          |  |   |  |  |
| 1.4             | 256QAM     | 1       | 0         | 18.65                       | 19.90                          | 19.84                        | 21                  | 3        |  |   |  |  |
| 1.4             | 256QAM     | 1       | 0         | 17.62                       | 17.72                          | 17.68                        |                     |          |  |   |  |  |
| 1.4             | 256QAM     | 1       | 3         | 17.49                       | 17.67                          | 17.68                        |                     |          |  |   |  |  |
| 1.4             | 256QAM     | 1       | 5         | 17.73                       | 17.88                          | 17.85                        |                     |          |  |   |  |  |
| 1.4             | 256QAM     | 3       | 0         | 17.59                       | 17.57                          | 17.78                        | 19                  | 5        |  |   |  |  |
| 1.4             | 256QAM     | 3       | 1         | 17.67                       | 17.80                          | 17.84                        |                     |          |  |   |  |  |
| 1.4             | 256QAM     | 3       | 1         | 17.72                       | 17.72                          | 17.78                        |                     |          |  |   |  |  |
| 1.4             | 256QAM     | 3       | 5         | 17.72                       | 17.78                          | 17.78                        |                     |          |  |   |  |  |

| GSM1900 Ant 1   |  | Burst Average Power (dbm) |       |        | Tune-up |  | Frame-Average Power (dbm) |       |        | Tune-up |  |
|-----------------|--|---------------------------|-------|--------|---------|--|---------------------------|-------|--------|---------|--|
| TX Channel      |  | 512                       | 661   | 810    | Limit   |  | 512                       | 661   | 810    | Limit   |  |
| Frequency (MHz) |  | 1850.2                    | 1860  | 1869.8 | (dbm)   |  | 1850.2                    | 1860  | 1869.8 | (dbm)   |  |
| GSM 1 Tx slot   |  | 29.15                     | 29.16 | 29.09  | 30.50   |  | 20.15                     | 20.16 | 20.09  | 21.50   |  |
| GPRS 1 Tx slot  |  | 29.12                     | 29.14 | 29.05  | 30.50   |  | 20.12                     | 20.14 | 20.05  | 21.50   |  |
| GPRS 2 Tx slots |  | 25.60                     | 25.63 | 25.61  | 26.50   |  | 19.60                     | 19.63 | 19.61  | 20.50   |  |
| GPRS 3 Tx slots |  | 23.92                     | 23.73 | 23.93  | 25.00   |  | 19.66                     | 19.47 | 19.67  | 20.74   |  |
| GPRS 4 Tx slots |  | 22.30                     | 22.37 | 22.38  | 23.50   |  | 19.30                     | 19.37 | 19.38  | 20.50   |  |
| EDGE 1 Tx slot  |  | 25.37                     | 25.19 | 25.38  | 26.50   |  | 16.37                     | 16.19 | 16.38  | 17.50   |  |
| EDGE 2 Tx slots |  | 23.65                     | 23.64 | 23.75  | 24.50   |  | 17.65                     | 17.64 | 17.75  | 18.50   |  |
| EDGE 3 Tx slots |  | 21.78                     | 21.76 | 21.81  | 23.00   |  | 17.52                     | 17.50 | 17.55  | 18.74   |  |
| EDGE 4 Tx slots |  | 19.85                     | 19.69 | 19.68  | 21.00   |  | 16.85                     | 16.69 | 16.68  | 18.00   |  |

| Band            |                   | WCDMA II Ant 1 |       |        | Tune-up |  | WCDMA IV Ant 1 |        |        | Tune-up |  |
|-----------------|-------------------|----------------|-------|--------|---------|--|----------------|--------|--------|---------|--|
| TX Channel      |                   | 9262           | 9400  | 9538   | Limit   |  | 1312           | 1413   | 1513   | Limit   |  |
| Rx Channel      |                   | 9662           | 9800  | 9938   | (dbm)   |  | 1537           | 1638   | 1738   | (dbm)   |  |
| Frequency (MHz) |                   | 1852.4         | 1860  | 1867.6 |         |  | 1712.4         | 1722.4 | 1732.8 |         |  |
| 3GPP Rel 99     | AMR 12.2kops      | 22.15          | 22.23 | 22.13  | 23.30   |  | 21.80          | 21.84  | 21.67  | 22.60   |  |
| 3GPP Rel 99     | RM 12.2kops       | 22.27          | 22.30 | 22.25  | 23.30   |  | 21.89          | 21.90  | 21.81  | 22.60   |  |
| 3GPP Rel 6      | HSDPA Subtest-1   | 21.19          | 21.37 | 21.12  | 22.30   |  | 20.65          | 20.67  | 20.60  | 21.60   |  |
| 3GPP Rel 6      | HSDPA Subtest-2   | 21.25          | 21.43 | 21.16  | 22.30   |  | 20.83          | 20.69  | 20.86  | 21.60   |  |
| 3GPP Rel 6      | HSDPA Subtest-3   | 20.80          | 20.92 | 20.95  | 21.80   |  | 20.28          | 20.38  | 20.51  | 21.10   |  |
| 3GPP Rel 6      | HSDPA Subtest-4   | 20.83          | 20.97 | 20.84  | 21.80   |  | 20.31          | 20.34  | 20.36  | 21.10   |  |
| 3GPP Rel 8      | DCHSDPA Subtest-1 | 21.28          | 21.23 | 21.33  | 22.30   |  | 20.70          | 20.60  | 20.77  | 21.60   |  |
| 3GPP Rel 8      | DCHSDPA Subtest-2 | 21.28          | 21.51 | 21.28  | 22.30   |  | 20.57          | 20.92  | 20.67  | 21.60   |  |
| 3GPP Rel 8      | DCHSDPA Subtest-3 | 20.99          | 20.99 | 21.01  | 21.80   |  | 20.17          | 20.58  | 20.43  | 21.10   |  |
| 3GPP Rel 8      | DCHSDPA Subtest-4 | 20.97          | 21.04 | 20.82  | 21.80   |  | 20.22          | 20.28  | 20.24  | 21.10   |  |
| 3GPP Rel 6      | HSPA Subtest-1    | 21.19          | 21.36 | 21.39  | 22.30   |  | 20.63          | 20.62  | 20.73  | 21.60   |  |
| 3GPP Rel 6      | HSPA Subtest-2    | 19.30          | 19.21 | 19.19  | 20.30   |  | 18.72          | 18.92  | 18.71  | 19.60   |  |
| 3GPP Rel 6      | HSPA Subtest-3    | 20.39          | 20.35 | 20.47  | 21.30   |  | 19.71          | 19.65  | 19.94  | 20.60   |  |
| 3GPP Rel 6      | HSPA Subtest-4    | 19.37          | 19.36 | 19.40  | 20.30   |  | 19.00          | 19.05  | 18.87  | 19.60   |  |
| 3GPP Rel 6      | HSPA Subtest-5    | 21.23          | 21.38 | 21.24  | 22.30   |  | 20.74          | 20.81  | 20.89  | 21.60   |  |

| Band 2 Ant 1    |            |         |           |                      |                      |                       |                    |          |  |  |
|-----------------|------------|---------|-----------|----------------------|----------------------|-----------------------|--------------------|----------|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Mid Ch / Freq. | Power High Ch / Freq. | Turn-on time (sec) | MPR (dB) |  |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |  |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |  |  |
| 20              | QPSK       | 1       | 0         | 22.21                | 22.25                | 22.08                 | 23.5               | 0        |  |  |
| 20              | QPSK       | 1       | 48        | 22.08                | 22.07                | 22.08                 |                    |          |  |  |
| 20              | QPSK       | 1       | 96        | 21.99                | 21.98                | 21.95                 |                    |          |  |  |
| 20              | QPSK       | 50      | 0         | 21.80                | 21.85                | 21.67                 |                    |          |  |  |
| 20              | QPSK       | 50      | 24        | 21.83                | 21.84                | 21.74                 | 23                 | 0.5      |  |  |
| 20              | QPSK       | 50      | 50        | 21.74                | 21.67                | 21.74                 |                    |          |  |  |
| 20              | QPSK       | 100     | 0         | 21.80                | 21.84                | 21.82                 |                    |          |  |  |
| 20              | QPSK       | 100     | 50        | 21.78                | 21.86                | 21.81                 |                    |          |  |  |
| 20              | HQDM       | 1       | 48        | 21.81                | 21.76                | 21.73                 | 23                 | 0.5      |  |  |
| 20              | HQDM       | 1       | 96        | 21.83                | 21.68                | 21.71                 |                    |          |  |  |
| 20              | HQDM       | 1       | 96        | 20.88                | 20.78                | 20.83                 |                    |          |  |  |
| 20              | HQDM       | 50      | 24        | 20.84                | 20.81                | 20.81                 |                    |          |  |  |
| 20              | HQDM       | 50      | 50        | 20.81                | 20.76                | 20.71                 | 22                 | 1.5      |  |  |
| 20              | HQDM       | 100     | 0         | 20.74                | 20.64                | 20.75                 |                    |          |  |  |
| 20              | HQDM       | 1       | 0         | 20.66                | 20.73                | 20.74                 |                    |          |  |  |
| 20              | HQDM       | 1       | 48        | 20.68                | 20.71                | 20.81                 |                    |          |  |  |
| 20              | HQDM       | 1       | 96        | 20.64                | 20.60                | 20.66                 | 21                 | 2.5      |  |  |
| 20              | HQDM       | 50      | 0         | 19.79                | 19.75                | 19.85                 |                    |          |  |  |
| 20              | HQDM       | 50      | 24        | 19.75                | 19.76                | 19.83                 |                    |          |  |  |
| 20              | HQDM       | 50      | 50        | 19.69                | 19.83                | 19.78                 |                    |          |  |  |
| 20              | HQDM       | 100     | 0         | 19.81                | 19.64                | 19.70                 | 19                 | 4.5      |  |  |
| 20              | HQDM       | 1       | 48        | 17.77                | 17.67                | 17.68                 |                    |          |  |  |
| 20              | HQDM       | 1       | 96        | 17.83                | 17.77                | 17.80                 |                    |          |  |  |
| 20              | HQDM       | 50      | 24        | 17.78                | 17.63                | 17.79                 |                    |          |  |  |
| 20              | HQDM       | 50      | 50        | 17.67                | 17.68                | 17.74                 |                    |          |  |  |
| 20              | HQDM       | 100     | 0         | 17.76                | 17.69                | 17.74                 |                    |          |  |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |  |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |  |  |
| 15              | QPSK       | 1       | 0         | 16.97                | 16.98                | 16.925                | 23.5               | 0        |  |  |
| 15              | QPSK       | 1       | 0         | 22.30                | 22.25                | 22.05                 |                    |          |  |  |
| 15              | QPSK       | 1       | 48        | 22.12                | 22.12                | 22.11                 |                    |          |  |  |
| 15              | QPSK       | 1       | 74        | 22.01                | 21.94                | 22.05                 |                    |          |  |  |
| 15              | QPSK       | 36      | 0         | 21.76                | 21.67                | 21.58                 | 23                 | 0.5      |  |  |
| 15              | QPSK       | 36      | 0         | 21.78                | 21.63                | 21.79                 |                    |          |  |  |
| 15              | QPSK       | 36      | 36        | 21.64                | 21.59                | 21.68                 |                    |          |  |  |
| 15              | QPSK       | 75      | 0         | 21.68                | 21.71                | 21.67                 |                    |          |  |  |
| 15              | QPSK       | 75      | 0         | 21.67                | 21.67                | 21.67                 | 23                 | 0.5      |  |  |
| 15              | QPSK       | 75      | 0         | 21.79                | 21.61                | 21.61                 |                    |          |  |  |
| 15              | HQDM       | 1       | 37        | 21.61                | 21.71                | 21.52                 |                    |          |  |  |
| 15              | HQDM       | 1       | 74        | 21.77                | 21.66                | 21.72                 |                    |          |  |  |
| 15              | HQDM       | 36      | 0         | 20.64                | 20.61                | 20.79                 | 22                 | 1.5      |  |  |
| 15              | HQDM       | 36      | 20        | 20.46                | 20.59                | 20.71                 |                    |          |  |  |
| 15              | HQDM       | 36      | 36        | 20.47                | 20.55                | 20.71                 |                    |          |  |  |
| 15              | HQDM       | 75      | 0         | 20.63                | 20.60                | 20.55                 |                    |          |  |  |
| 15              | HQDM       | 1       | 0         | 20.64                | 20.70                | 20.63                 | 22                 | 1.5      |  |  |
| 15              | HQDM       | 1       | 74        | 20.51                | 20.55                | 20.53                 |                    |          |  |  |
| 15              | HQDM       | 36      | 0         | 19.79                | 19.71                | 19.82                 |                    |          |  |  |
| 15              | HQDM       | 36      | 36        | 19.69                | 19.75                | 19.72                 |                    |          |  |  |
| 15              | HQDM       | 75      | 0         | 19.73                | 19.56                | 19.62                 | 21                 | 2.5      |  |  |
| 15              | HQDM       | 75      | 0         | 19.73                | 19.56                | 19.62                 |                    |          |  |  |
| 15              | HQDM       | 1       | 37        | 17.71                | 17.67                | 17.50                 |                    |          |  |  |
| 15              | HQDM       | 1       | 74        | 17.70                | 17.70                | 17.77                 |                    |          |  |  |
| 15              | HQDM       | 36      | 0         | 17.68                | 17.66                | 17.68                 | 19                 | 4.5      |  |  |
| 15              | HQDM       | 36      | 20        | 17.56                | 17.73                | 17.72                 |                    |          |  |  |
| 15              | HQDM       | 36      | 36        | 17.60                | 17.67                | 17.63                 |                    |          |  |  |
| 15              | HQDM       | 75      | 0         | 17.63                | 17.69                | 17.68                 |                    |          |  |  |
| 15              | HQDM       | 75      | 0         | 17.63                | 17.69                | 17.68                 |                    |          |  |  |
| 15              | HQDM       | 100     | 0         | 17.76                | 17.68                | 17.74                 |                    |          |  |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |  |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |  |  |
| 10              | QPSK       | 1       | 0         | 16.925               | 16.935               | 16.915                | 23.5               | 0        |  |  |
| 10              | QPSK       | 1       | 25        | 22.23                | 22.09                | 22.05                 |                    |          |  |  |
| 10              | QPSK       | 1       | 48        | 21.96                | 21.91                | 22.10                 |                    |          |  |  |
| 10              | QPSK       | 25      | 0         | 21.68                | 21.68                | 21.68                 |                    |          |  |  |
| 10              | QPSK       | 25      | 12        | 21.75                | 21.62                | 21.71                 | 23                 | 0.5      |  |  |
| 10              | QPSK       | 25      | 25        | 21.63                | 21.53                | 21.69                 |                    |          |  |  |
| 10              | QPSK       | 50      | 0         | 21.67                | 21.67                | 21.67                 |                    |          |  |  |
| 10              | HQDM       | 1       | 0         | 21.70                | 21.64                | 21.61                 |                    |          |  |  |
| 10              | HQDM       | 1       | 25        | 21.69                | 21.66                | 21.68                 | 23                 | 0.5      |  |  |
| 10              | HQDM       | 1       | 48        | 21.68                | 21.67                | 21.67                 |                    |          |  |  |
| 10              | HQDM       | 25      | 0         | 20.48                | 20.59                | 20.64                 |                    |          |  |  |
| 10              | HQDM       | 25      | 12        | 20.43                | 20.42                | 20.70                 |                    |          |  |  |
| 10              | HQDM       | 50      | 0         | 20.62                | 20.53                | 20.64                 | 22                 | 1.5      |  |  |
| 10              | HQDM       | 50      | 12        | 20.43                | 20.42                | 20.70                 |                    |          |  |  |
| 10              | HQDM       | 50      | 0         | 20.59                | 20.45                | 20.58                 |                    |          |  |  |
| 10              | HQDM       | 1       | 0         | 20.61                | 20.68                | 20.56                 |                    |          |  |  |
| 10              | HQDM       | 1       | 0         | 20.53                | 20.45                | 20.71                 | 22                 | 1.5      |  |  |
| 10              | HQDM       | 1       | 48        | 20.51                | 20.61                | 20.56                 |                    |          |  |  |
| 10              | HQDM       | 25      | 0         | 19.78                | 19.73                | 19.58                 |                    |          |  |  |
| 10              | HQDM       | 25      | 12        | 19.78                | 19.61                | 19.64                 |                    |          |  |  |
| 10              | HQDM       | 50      | 0         | 19.63                | 19.67                | 19.62                 | 21                 | 2.5      |  |  |
| 10              | HQDM       | 50      | 0         | 19.71                | 19.64                | 19.53                 |                    |          |  |  |
| 10              | HQDM       | 1       | 25        | 17.71                | 17.69                | 17.52                 |                    |          |  |  |
| 10              | HQDM       | 1       | 25        | 17.73                | 17.69                | 17.52                 |                    |          |  |  |
| 10              | HQDM       | 1       | 48        | 17.65                | 17.75                | 17.61                 | 19                 | 4.5      |  |  |
| 10              | HQDM       | 25      | 0         | 17.55                | 17.45                | 17.77                 |                    |          |  |  |
| 10              | HQDM       | 25      | 12        | 17.53                | 17.58                | 17.52                 |                    |          |  |  |
| 10              | HQDM       | 25      | 25        | 17.59                | 17.61                | 17.62                 |                    |          |  |  |
| 10              | HQDM       | 50      | 0         | 17.67                | 17.69                | 17.58                 | 19                 | 4.5      |  |  |
| 10              | HQDM       | 50      | 0         | 17.67                | 17.69                | 17.58                 |                    |          |  |  |
| 10              | HQDM       | 50      | 0         | 16.925               | 16.935               | 16.915                |                    |          |  |  |
| 10              | HQDM       | 50      | 0         | 16.925               | 16.935               | 16.915                |                    |          |  |  |
| 10              | HQDM       | 50      | 0         | 16.925               | 16.935               | 16.915                |                    |          |  |  |
| 10              | HQDM       | 50      | 0         | 16.925               | 16.935               | 16.915                |                    |          |  |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |  |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |  |  |
| 5               | QPSK       | 1       | 0         | 22.11                | 22.12                | 22.05                 | 23.5               | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 22.20                | 22.08                | 21.96                 |                    |          |  |  |
| 5               | QPSK       | 1       | 24        | 22.01                | 21.99                | 21.99                 |                    |          |  |  |
| 5               | QPSK       | 12      | 0         | 21.77                | 21.68                | 21.68                 |                    |          |  |  |
| 5               | QPSK       | 12      | 7         | 21.75                | 21.57                | 21.64                 | 23                 | 0.5      |  |  |
| 5               | QPSK       | 12      | 13        | 21.55                | 21.66                | 21.73                 |                    |          |  |  |
| 5               | QPSK       | 25      | 0         | 21.71                | 21.62                | 21.77                 |                    |          |  |  |
| 5               | HQDM       | 1       | 0         | 21.79                | 21.76                | 21.78                 |                    |          |  |  |
| 5               | HQDM       | 1       | 12        | 21.59                | 21.55                | 21.66                 | 23                 | 0.5      |  |  |
| 5               | HQDM       | 1       | 12        | 21.72                | 21.65                | 21.65                 |                    |          |  |  |
| 5               | HQDM       | 12      | 0         | 20.57                | 20.89                | 20.63                 |                    |          |  |  |
| 5               | HQDM       | 12      | 7         | 20.61                | 20.57                | 20.79                 |                    |          |  |  |
| 5               | HQDM       | 12      | 13        | 20.60                | 20.52                | 20.68                 | 22                 | 1.5      |  |  |
| 5               | HQDM       | 25      | 0         | 20.59                | 20.57                | 20.76                 |                    |          |  |  |
| 5               | HQDM       | 1       | 0         | 20.59                | 20.74                | 20.61                 |                    |          |  |  |
| 5               | HQDM       | 1       | 0         | 20.47                | 20.52                | 20.69                 |                    |          |  |  |
| 5               | HQDM       | 1       | 24        | 20.63                | 20.44                | 20.45                 | 22                 | 1.5      |  |  |
| 5               | HQDM       | 1       | 24        | 20.63                | 20.44                | 20.45                 |                    |          |  |  |
| 5               | HQDM       | 12      | 7         | 19.73                | 19.66                | 19.81                 |                    |          |  |  |
| 5               | HQDM       | 12      | 13        | 19.69                | 19.68                | 19.81                 |                    |          |  |  |
| 5               | HQDM       | 25      | 0         | 19.63                | 19.65                | 19.85                 | 21                 | 2.5      |  |  |
| 5               | HQDM       | 25      | 0         | 19.71                | 19.64                | 19.53                 |                    |          |  |  |
| 5               | HQDM       | 1       | 12        | 17.68                | 17.69                | 17.76                 |                    |          |  |  |
| 5               | HQDM       | 1       | 12        | 17.68                | 17.69                | 17.76                 |                    |          |  |  |
| 5               | HQDM       | 1       | 12        | 17.68                | 17.69                | 17.76                 | 19                 | 4.5      |  |  |
| 5               | HQDM       | 12      | 0         | 17.77                | 17.67                | 17.68                 |                    |          |  |  |
| 5               | HQDM       | 12      | 13        | 17.58                | 17.66                | 17.71                 |                    |          |  |  |
| 5               | HQDM       | 12      | 13        | 17.61                | 17.62                | 17.68                 |                    |          |  |  |
| 5               | HQDM       | 25      | 0         | 17.68                | 17.70                | 17.62                 | 19                 | 4.5      |  |  |
| 5               | HQDM       | 25      | 0         | 17.68                | 17.70                | 17.62                 |                    |          |  |  |
| 5               | HQDM       | 25      | 0         | 17.68                | 17.70                | 17.62                 |                    |          |  |  |
| 5               | HQDM       | 25      | 0         | 17.68                | 17.70                | 17.62                 |                    |          |  |  |
| 5               | HQDM       | 25      | 0         | 17.68                | 17.70                | 17.62                 |                    |          |  |  |
| 5               | HQDM       | 25      | 0         | 17.68                | 17.70                | 17.62                 |                    |          |  |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |  |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.14                | 22.14                | 22.06                 | 23.5               | 0        |  |  |
| 1.4             | QPSK       | 1       | 8         | 22.26                | 22.21                | 21.97                 |                    |          |  |  |
| 1.4             | QPSK       | 1       | 16        | 22.10                | 22.07                | 22.06                 |                    |          |  |  |
| 1.4             | QPSK       | 14      | 0         | 21.67                | 21.60                | 21.64                 |                    |          |  |  |
| 1.4             | QPSK       | 8       | 4         | 21.84                | 21.80                | 21.86                 | 23                 | 0.5      |  |  |
| 1.4             | QPSK       | 8       | 4         | 21.84                | 21.80                | 21.86                 |                    |          |  |  |
| 1.4             | QPSK       | 16      | 0         | 21.80                | 21.78                | 21.67                 |                    |          |  |  |
| 1.4             | QPSK       | 16      | 0         | 21.88                | 21.86                | 21.67                 |                    |          |  |  |
| 1.4             | HQDM       | 1       | 8         | 21.86                | 21.84                | 21.76                 | 23                 | 0.5      |  |  |
| 1.4             | HQDM       | 1       | 16        | 21.86                | 21.84                | 21.76                 |                    |          |  |  |
| 1.4             | HQDM       | 8       | 0         | 20.99                | 20.94                | 20.95                 |                    |          |  |  |
| 1.4             | HQDM       | 8       | 0         | 20.99                | 20.94                | 20.95                 |                    |          |  |  |
| 1.4             | HQDM       | 8       | 7         | 20.99                | 20.58                | 20.51                 | 22                 | 1.5      |  |  |
| 1.4             | HQDM       | 16      | 0         | 20.99                | 20.58                | 20.51                 |                    |          |  |  |
| 1.4             | HQDM       | 16      | 0         | 20.90                | 20.72                | 20.62                 |                    |          |  |  |
| 1.4             | HQDM       | 1       | 8         | 20.68                | 20.53                | 20.57                 |                    |          |  |  |
| 1.4             | HQDM       | 1       | 8         | 20.68                | 20.53                | 20.57                 | 21                 | 2.5      |  |  |
| 1.4             | HQDM       | 8       | 4         | 19.88                | 19.85                | 19.84                 |                    |          |  |  |
| 1.4             | HQDM       | 8       | 4         | 19.88                | 19.85                | 19.84                 |                    |          |  |  |
| 1.4             | HQDM       | 16      | 8         | 19.80                | 19.58                | 19.64                 |                    |          |  |  |
| 1.4             | HQDM       | 1       | 0         | 17.62                | 17.66                | 17.65                 | 19                 | 4.5      |  |  |
| 1.4             | HQDM       | 1       | 14        | 17.61                | 17.68                | 17.65                 |                    |          |  |  |
| 1.4             | HQDM       | 1       | 14        | 17.68                | 17.68                | 17.78                 |                    |          |  |  |
| 1.4             | HQDM       | 8       | 0         | 17.64                | 17.68                | 17.65                 |                    |          |  |  |
| 1.4             | HQDM       | 8       | 7         | 17.64                | 17.68                | 17.65                 | 19                 | 4.5      |  |  |
| 1.4             | HQDM       | 8       | 7         | 17.64                | 17.68                | 17.65                 |                    |          |  |  |
| 1.4             | HQDM       | 8       | 7         | 17.64                | 17.68                | 17.65                 |                    |          |  |  |
| 1.4             | HQDM       | 16      | 0         | 17.76                | 17.66                | 17.65                 |                    |          |  |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |  |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |  |  |
| 1.4             | QPSK       | 1       | 0         | 16.97                | 16.98                | 16.925                | 23.5               | 0        |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.23                | 22.18                | 22.07                 |                    |          |  |  |
| 1.4             | QPSK       | 1       | 20        | 22.06                | 22.01                | 22.07                 |                    |          |  |  |
| 1.4             | QPSK       | 1       | 40        | 22.05                | 22.04                | 21.98                 |                    |          |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.16                | 22.12                | 22.05                 | 23                 | 0.5      |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.06                | 22.02                | 22.06                 |                    |          |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.06                | 22.02                | 22.06                 |                    |          |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.06                | 22.02                | 22.06                 |                    |          |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.06                | 22.02                | 22.06                 | 23                 | 0.5      |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.06                | 22.02                | 22.06                 |                    |          |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.06                | 22.02                | 22.06                 |                    |          |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.06                | 22.02                | 22.06                 |                    |          |  |  |
| 1.4             | HQDM       | 1       | 3         | 22.06                | 21.92                | 2                     |                    |          |  |  |

| Band 25 Ant 1   |            |         |           |                      |                         |                       |               |          |      |   |  |  |
|-----------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------|----------|------|---|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Middle Ch / Freq. | Power High Ch / Freq. | Time-up (sec) | MPE (dB) |      |   |  |  |
| Channel         |            |         |           |                      |                         |                       |               |          |      |   |  |  |
| Frequency (MHz) |            |         |           |                      |                         |                       |               |          |      |   |  |  |
| 20              | QPSK       | 1       | 0         | 22.31                | 22.34                   | 22.21                 | 23.5          | 0        |      |   |  |  |
| 20              | QPSK       | 1       | 49        | 22.24                | 22.12                   | 22.14                 |               |          |      |   |  |  |
| 20              | QPSK       | 1       | 99        | 22.10                | 22.11                   | 22.06                 |               |          |      |   |  |  |
| 20              | QPSK       | 50      | 0         | 21.82                | 21.87                   | 21.78                 |               |          |      |   |  |  |
| 20              | QPSK       | 50      | 24        | 21.81                | 21.87                   | 21.83                 |               |          |      |   |  |  |
| 20              | QPSK       | 50      | 50        | 21.68                | 21.74                   | 21.77                 | 23            | 0.5      |      |   |  |  |
| 20              | QPSK       | 100     | 0         | 21.78                | 21.82                   | 21.76                 |               |          |      |   |  |  |
| 20              | 16QAM      | 1       | 0         | 21.83                | 21.87                   | 21.87                 |               |          |      |   |  |  |
| 20              | 16QAM      | 1       | 49        | 21.86                | 21.70                   | 21.86                 |               |          |      |   |  |  |
| 20              | 16QAM      | 1       | 99        | 21.87                | 21.83                   | 21.76                 |               |          |      |   |  |  |
| 20              | 16QAM      | 50      | 0         | 20.60                | 20.70                   | 20.70                 | 22            | 1.5      |      |   |  |  |
| 20              | 16QAM      | 50      | 24        | 20.76                | 20.60                   | 20.71                 |               |          |      |   |  |  |
| 20              | 16QAM      | 50      | 50        | 20.73                | 20.76                   | 20.71                 |               |          |      |   |  |  |
| 20              | 16QAM      | 100     | 0         | 20.69                | 20.59                   | 20.69                 |               |          |      |   |  |  |
| 20              | 16QAM      | 1       | 0         | 20.73                | 20.60                   | 20.60                 |               |          |      |   |  |  |
| 20              | 64QAM      | 1       | 49        | 20.61                | 20.65                   | 20.71                 | 22            | 1.5      |      |   |  |  |
| 20              | 64QAM      | 1       | 99        | 20.78                | 20.59                   | 20.72                 |               |          |      |   |  |  |
| 20              | 64QAM      | 50      | 0         | 19.82                | 19.55                   | 19.75                 |               |          |      |   |  |  |
| 20              | 64QAM      | 50      | 24        | 19.74                | 19.61                   | 19.79                 |               |          |      |   |  |  |
| 20              | 64QAM      | 50      | 50        | 19.76                | 19.75                   | 19.68                 |               |          |      |   |  |  |
| 20              | 256QAM     | 1       | 0         | 17.62                | 17.67                   | 17.76                 | 21            | 2.5      |      |   |  |  |
| 20              | 256QAM     | 1       | 49        | 17.85                | 17.87                   | 17.91                 |               |          |      |   |  |  |
| 20              | 256QAM     | 1       | 99        | 17.78                | 17.80                   | 17.79                 |               |          |      |   |  |  |
| 20              | 256QAM     | 50      | 0         | 17.79                | 17.80                   | 17.80                 |               |          |      |   |  |  |
| 20              | 256QAM     | 50      | 24        | 17.85                | 17.89                   | 17.88                 |               |          |      |   |  |  |
| 20              | 256QAM     | 50      | 50        | 17.86                | 17.81                   | 17.81                 | 19            | 4.5      |      |   |  |  |
| 20              | 256QAM     | 100     | 0         | 17.87                | 17.87                   | 17.87                 |               |          |      |   |  |  |
| Channel         |            |         |           |                      |                         |                       |               |          |      |   |  |  |
| Frequency (MHz) |            |         |           |                      |                         |                       |               |          |      |   |  |  |
| 15              | QPSK       | 1       | 0         | 22.21                | 22.20                   | 22.14                 |               |          | 23.5 | 0 |  |  |
| 15              | QPSK       | 1       | 37        | 22.12                | 22.20                   | 22.16                 |               |          |      |   |  |  |
| 15              | QPSK       | 1       | 74        | 22.14                | 22.08                   | 22.17                 |               |          |      |   |  |  |
| 15              | QPSK       | 36      | 0         | 21.73                | 21.87                   | 21.81                 |               |          |      |   |  |  |
| 15              | QPSK       | 36      | 25        | 21.87                | 21.85                   | 21.82                 |               |          |      |   |  |  |
| 15              | QPSK       | 36      | 39        | 21.58                | 21.62                   | 21.58                 | 23            | 0.5      |      |   |  |  |
| 15              | QPSK       | 75      | 0         | 21.69                | 21.68                   | 21.69                 |               |          |      |   |  |  |
| 15              | 16QAM      | 1       | 1         | 21.69                | 21.78                   | 21.69                 |               |          |      |   |  |  |
| 15              | 16QAM      | 1       | 37        | 21.87                | 21.59                   | 21.81                 |               |          |      |   |  |  |
| 15              | 16QAM      | 1       | 74        | 21.73                | 21.68                   | 21.68                 |               |          |      |   |  |  |
| 15              | 16QAM      | 36      | 0         | 20.49                | 20.63                   | 20.64                 | 22            | 1.5      |      |   |  |  |
| 15              | 16QAM      | 36      | 25        | 20.72                | 20.42                   | 20.68                 |               |          |      |   |  |  |
| 15              | 16QAM      | 36      | 39        | 20.65                | 20.59                   | 20.59                 |               |          |      |   |  |  |
| 15              | 16QAM      | 75      | 0         | 20.55                | 20.59                   | 20.50                 |               |          |      |   |  |  |
| 15              | 64QAM      | 1       | 0         | 20.73                | 20.58                   | 20.48                 |               |          |      |   |  |  |
| 15              | 64QAM      | 1       | 37        | 20.49                | 20.64                   | 20.76                 | 22            | 1.5      |      |   |  |  |
| 15              | 64QAM      | 1       | 74        | 20.76                | 20.47                   | 20.53                 |               |          |      |   |  |  |
| 15              | 64QAM      | 36      | 0         | 19.69                | 19.63                   | 19.61                 |               |          |      |   |  |  |
| 15              | 64QAM      | 36      | 25        | 19.81                | 19.61                   | 19.78                 |               |          |      |   |  |  |
| 15              | 64QAM      | 36      | 39        | 19.09                | 19.05                   | 19.04                 |               |          |      |   |  |  |
| 15              | 64QAM      | 75      | 0         | 19.69                | 19.64                   | 19.61                 | 21            | 2.5      |      |   |  |  |
| 15              | 64QAM      | 1       | 0         | 17.70                | 17.72                   | 17.82                 |               |          |      |   |  |  |
| 15              | 256QAM     | 1       | 37        | 17.85                | 17.85                   | 17.71                 |               |          |      |   |  |  |
| 15              | 256QAM     | 1       | 74        | 17.84                | 17.84                   | 17.78                 |               |          |      |   |  |  |
| 15              | 256QAM     | 36      | 0         | 17.72                | 17.81                   | 17.83                 |               |          |      |   |  |  |
| 15              | 256QAM     | 36      | 25        | 17.79                | 17.87                   | 17.87                 | 19            | 4.5      |      |   |  |  |
| 15              | 256QAM     | 36      | 39        | 17.88                | 17.89                   | 17.80                 |               |          |      |   |  |  |
| 15              | 256QAM     | 75      | 0         | 17.86                | 17.78                   | 17.78                 |               |          |      |   |  |  |
| Channel         |            |         |           |                      |                         |                       |               |          |      |   |  |  |
| Frequency (MHz) |            |         |           |                      |                         |                       |               |          |      |   |  |  |
| 10              | QPSK       | 1       | 0         | 22.18                | 22.18                   | 22.18                 | 23.5          | 0        |      |   |  |  |
| 10              | QPSK       | 1       | 25        | 22.22                | 22.09                   | 22.24                 |               |          |      |   |  |  |
| 10              | QPSK       | 1       | 49        | 22.12                | 22.18                   | 22.17                 |               |          |      |   |  |  |
| 10              | QPSK       | 1       | 83        | 21.70                | 21.70                   | 21.73                 |               |          |      |   |  |  |
| 10              | QPSK       | 25      | 13        | 21.69                | 21.54                   | 21.70                 |               |          |      |   |  |  |
| 10              | QPSK       | 25      | 25        | 21.64                | 21.66                   | 21.78                 | 23            | 0.5      |      |   |  |  |
| 10              | QPSK       | 50      | 0         | 21.87                | 21.87                   | 21.87                 |               |          |      |   |  |  |
| 10              | 16QAM      | 1       | 0         | 21.66                | 21.69                   | 21.69                 |               |          |      |   |  |  |
| 10              | 16QAM      | 1       | 25        | 21.75                | 21.54                   | 21.76                 |               |          |      |   |  |  |
| 10              | 16QAM      | 1       | 75        | 21.68                | 21.68                   | 21.68                 |               |          |      |   |  |  |
| 10              | 16QAM      | 25      | 0         | 20.47                | 20.54                   | 20.50                 | 22            | 1.5      |      |   |  |  |
| 10              | 16QAM      | 25      | 13        | 20.65                | 20.57                   | 20.61                 |               |          |      |   |  |  |
| 10              | 16QAM      | 25      | 25        | 20.60                | 20.70                   | 20.78                 |               |          |      |   |  |  |
| 10              | 16QAM      | 50      | 0         | 20.58                | 20.47                   | 20.55                 |               |          |      |   |  |  |
| 10              | 64QAM      | 1       | 0         | 20.64                | 20.56                   | 20.45                 |               |          |      |   |  |  |
| 10              | 64QAM      | 1       | 25        | 20.50                | 20.63                   | 20.61                 | 22            | 1.5      |      |   |  |  |
| 10              | 64QAM      | 1       | 49        | 20.70                | 20.48                   | 20.56                 |               |          |      |   |  |  |
| 10              | 64QAM      | 25      | 0         | 19.70                | 19.48                   | 19.58                 |               |          |      |   |  |  |
| 10              | 64QAM      | 25      | 13        | 19.66                | 19.68                   | 19.70                 |               |          |      |   |  |  |
| 10              | 64QAM      | 25      | 25        | 19.68                | 19.68                   | 19.63                 |               |          |      |   |  |  |
| 10              | 64QAM      | 50      | 0         | 19.66                | 19.69                   | 19.50                 | 21            | 2.5      |      |   |  |  |
| 10              | 256QAM     | 1       | 0         | 17.65                | 17.73                   | 17.63                 |               |          |      |   |  |  |
| 10              | 256QAM     | 1       | 25        | 17.86                | 17.71                   | 17.70                 |               |          |      |   |  |  |
| 10              | 256QAM     | 1       | 49        | 17.70                | 17.73                   | 17.66                 |               |          |      |   |  |  |
| 10              | 256QAM     | 25      | 0         | 17.82                | 17.84                   | 17.83                 |               |          |      |   |  |  |
| 10              | 256QAM     | 25      | 13        | 17.82                | 17.83                   | 17.71                 | 19            | 4.5      |      |   |  |  |
| 10              | 256QAM     | 25      | 25        | 17.82                | 17.83                   | 17.71                 |               |          |      |   |  |  |
| 10              | 256QAM     | 50      | 0         | 17.83                | 17.82                   | 17.85                 |               |          |      |   |  |  |
| Channel         |            |         |           |                      |                         |                       |               |          |      |   |  |  |
| Frequency (MHz) |            |         |           |                      |                         |                       |               |          |      |   |  |  |
| 5               | QPSK       | 1       | 0         | 22.19                | 22.19                   | 22.19                 | 23.5          | 0        |      |   |  |  |
| 5               | QPSK       | 1       | 12        | 22.17                | 22.09                   | 22.13                 |               |          |      |   |  |  |
| 5               | QPSK       | 1       | 24        | 22.17                | 22.09                   | 22.13                 |               |          |      |   |  |  |
| 5               | QPSK       | 12      | 0         | 21.76                | 21.70                   | 21.61                 |               |          |      |   |  |  |
| 5               | QPSK       | 12      | 7         | 21.71                | 21.53                   | 21.69                 |               |          |      |   |  |  |
| 5               | QPSK       | 12      | 13        | 21.69                | 21.57                   | 21.75                 | 23            | 0.5      |      |   |  |  |
| 5               | QPSK       | 25      | 0         | 21.62                | 21.70                   | 21.64                 |               |          |      |   |  |  |
| 5               | 16QAM      | 1       | 0         | 21.82                | 21.70                   | 21.89                 |               |          |      |   |  |  |
| 5               | 16QAM      | 1       | 12        | 21.84                | 21.65                   | 21.67                 |               |          |      |   |  |  |
| 5               | 16QAM      | 1       | 24        | 21.71                | 21.65                   | 21.71                 |               |          |      |   |  |  |
| 5               | 16QAM      | 12      | 0         | 20.44                | 20.72                   | 20.51                 | 22            | 1.5      |      |   |  |  |
| 5               | 16QAM      | 12      | 7         | 20.63                | 20.66                   | 20.70                 |               |          |      |   |  |  |
| 5               | 16QAM      | 12      | 13        | 20.55                | 20.60                   | 20.68                 |               |          |      |   |  |  |
| 5               | 16QAM      | 25      | 0         | 20.55                | 20.48                   | 20.56                 |               |          |      |   |  |  |
| 5               | 64QAM      | 1       | 0         | 20.71                | 20.57                   | 20.52                 |               |          |      |   |  |  |
| 5               | 64QAM      | 1       | 12        | 20.53                | 20.45                   | 20.50                 | 22            | 1.5      |      |   |  |  |
| 5               | 64QAM      | 1       | 24        | 20.56                | 20.49                   | 20.72                 |               |          |      |   |  |  |
| 5               | 64QAM      | 12      | 0         | 19.83                | 19.62                   | 19.67                 |               |          |      |   |  |  |
| 5               | 64QAM      | 12      | 7         | 19.57                | 19.65                   | 19.71                 |               |          |      |   |  |  |
| 5               | 64QAM      | 12      | 13        | 19.76                | 19.70                   | 19.79                 |               |          |      |   |  |  |
| 5               | 64QAM      | 25      | 0         | 19.69                | 19.60                   | 19.68                 |               |          |      |   |  |  |

| Band 38 Ant 1   |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|--|--|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |  |
| Channel         |            |         |           | 37650                 | 38000                    | 38150                  |                     |          |  |  |  |  |  |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |  |  |  |  |
| 20              | QPSK       | 1       | 0         | 22.96                 | 23.16                    | 23.13                  | 24                  | 0        |  |  |  |  |  |
| 20              | QPSK       | 1       | 49        | 22.96                 | 22.94                    | 22.89                  |                     |          |  |  |  |  |  |
| 20              | QPSK       | 1       | 99        | 22.85                 | 22.86                    | 22.86                  | 23                  | 1        |  |  |  |  |  |
| 20              | QPSK       | 50      | 0         | 21.96                 | 22.15                    | 21.98                  |                     |          |  |  |  |  |  |
| 20              | QPSK       | 50      | 24        | 21.95                 | 21.97                    | 21.88                  | 23                  | 1        |  |  |  |  |  |
| 20              | QPSK       | 50      | 50        | 21.90                 | 21.77                    | 22.13                  |                     |          |  |  |  |  |  |
| 20              | QPSK       | 100     | 0         | 21.97                 | 22.10                    | 22.00                  | 23                  | 1        |  |  |  |  |  |
| 20              | 16QAM      | 1       | 0         | 21.95                 | 21.80                    | 22.07                  |                     |          |  |  |  |  |  |
| 20              | 16QAM      | 1       | 49        | 21.81                 | 21.99                    | 22.04                  | 22                  | 2        |  |  |  |  |  |
| 20              | 16QAM      | 1       | 99        | 22.02                 | 22.00                    | 21.79                  |                     |          |  |  |  |  |  |
| 20              | 16QAM      | 50      | 0         | 20.80                 | 20.86                    | 20.86                  | 22                  | 2        |  |  |  |  |  |
| 20              | 16QAM      | 50      | 24        | 20.92                 | 20.57                    | 20.82                  |                     |          |  |  |  |  |  |
| 20              | 16QAM      | 50      | 50        | 20.90                 | 20.69                    | 20.81                  | 21                  | 3        |  |  |  |  |  |
| 20              | 16QAM      | 100     | 0         | 20.64                 | 20.90                    | 20.61                  |                     |          |  |  |  |  |  |
| 20              | 64QAM      | 1       | 0         | 20.66                 | 20.77                    | 20.71                  | 22                  | 2        |  |  |  |  |  |
| 20              | 64QAM      | 1       | 49        | 20.61                 | 20.78                    | 20.78                  |                     |          |  |  |  |  |  |
| 20              | 64QAM      | 1       | 99        | 20.72                 | 20.74                    | 20.93                  | 21                  | 3        |  |  |  |  |  |
| 20              | 64QAM      | 50      | 0         | 19.82                 | 19.85                    | 19.91                  |                     |          |  |  |  |  |  |
| 20              | 64QAM      | 50      | 24        | 19.95                 | 19.81                    | 19.76                  | 19                  | 5        |  |  |  |  |  |
| 20              | 64QAM      | 50      | 50        | 19.82                 | 19.68                    | 19.95                  |                     |          |  |  |  |  |  |
| 20              | 64QAM      | 100     | 0         | 19.75                 | 19.81                    | 19.72                  | 19                  | 5        |  |  |  |  |  |
| 20              | 256QAM     | 1       | 0         | 17.89                 | 17.87                    | 17.66                  |                     |          |  |  |  |  |  |
| 20              | 256QAM     | 1       | 49        | 17.90                 | 17.91                    | 17.86                  | 19                  | 5        |  |  |  |  |  |
| 20              | 256QAM     | 1       | 99        | 17.71                 | 17.76                    | 17.79                  |                     |          |  |  |  |  |  |
| 20              | 256QAM     | 50      | 0         | 17.83                 | 17.96                    | 17.74                  | 19                  | 5        |  |  |  |  |  |
| 20              | 256QAM     | 50      | 24        | 17.99                 | 17.96                    | 17.90                  |                     |          |  |  |  |  |  |
| 20              | 256QAM     | 50      | 50        | 17.76                 | 17.83                    | 17.69                  | 20                  | 2        |  |  |  |  |  |
| 20              | 256QAM     | 100     | 0         | 17.83                 | 17.80                    | 17.67                  |                     |          |  |  |  |  |  |
| Channel         |            |         |           | 37625                 | 38000                    | 38175                  |                     |          |  |  |  |  |  |
| Frequency (MHz) |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |  |  |  |  |  |
| 15              | QPSK       | 1       | 0         | 22.70                 | 22.80                    | 22.52                  | 24                  | 0        |  |  |  |  |  |
| 15              | QPSK       | 1       | 37        | 22.43                 | 22.60                    | 22.21                  |                     |          |  |  |  |  |  |
| 15              | QPSK       | 1       | 74        | 22.48                 | 22.27                    | 22.55                  | 23                  | 1        |  |  |  |  |  |
| 15              | QPSK       | 36      | 0         | 21.37                 | 21.53                    | 21.52                  |                     |          |  |  |  |  |  |
| 15              | QPSK       | 36      | 20        | 21.49                 | 21.44                    | 21.46                  | 23                  | 1        |  |  |  |  |  |
| 15              | QPSK       | 36      | 39        | 21.25                 | 21.40                    | 21.54                  |                     |          |  |  |  |  |  |
| 15              | QPSK       | 75      | 0         | 21.36                 | 21.46                    | 21.38                  | 23                  | 1        |  |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 21.46                 | 21.30                    | 21.47                  |                     |          |  |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 21.19                 | 21.54                    | 21.39                  | 22                  | 2        |  |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 21.47                 | 21.32                    | 21.29                  |                     |          |  |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 20.29                 | 20.33                    | 20.31                  | 22                  | 2        |  |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 20.34                 | 20.61                    | 20.32                  |                     |          |  |  |  |  |  |
| 15              | 16QAM      | 36      | 39        | 20.33                 | 20.20                    | 20.37                  | 22                  | 2        |  |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 20.25                 | 20.30                    | 20.15                  |                     |          |  |  |  |  |  |
| 15              | 64QAM      | 1       | 0         | 20.10                 | 20.30                    | 20.17                  | 22                  | 2        |  |  |  |  |  |
| 15              | 64QAM      | 1       | 37        | 20.05                 | 20.08                    | 20.37                  |                     |          |  |  |  |  |  |
| 15              | 64QAM      | 1       | 74        | 20.40                 | 20.36                    | 20.44                  | 21                  | 3        |  |  |  |  |  |
| 15              | 64QAM      | 36      | 0         | 19.41                 | 19.44                    | 19.34                  |                     |          |  |  |  |  |  |
| 15              | 64QAM      | 36      | 20        | 19.23                 | 19.30                    | 19.30                  | 19                  | 5        |  |  |  |  |  |
| 15              | 64QAM      | 36      | 39        | 19.32                 | 19.26                    | 19.42                  |                     |          |  |  |  |  |  |
| 15              | 64QAM      | 75      | 0         | 19.24                 | 19.34                    | 19.15                  | 19                  | 5        |  |  |  |  |  |
| 15              | 256QAM     | 1       | 0         | 17.46                 | 17.24                    | 17.27                  |                     |          |  |  |  |  |  |
| 15              | 256QAM     | 1       | 37        | 17.25                 | 17.38                    | 17.46                  | 19                  | 5        |  |  |  |  |  |
| 15              | 256QAM     | 1       | 74        | 17.19                 | 17.41                    | 17.24                  |                     |          |  |  |  |  |  |
| 15              | 256QAM     | 36      | 0         | 17.23                 | 17.37                    | 17.23                  | 19                  | 5        |  |  |  |  |  |
| 15              | 256QAM     | 36      | 20        | 17.46                 | 17.42                    | 17.50                  |                     |          |  |  |  |  |  |
| 15              | 256QAM     | 36      | 39        | 17.29                 | 17.41                    | 17.33                  | 19                  | 5        |  |  |  |  |  |
| 15              | 256QAM     | 75      | 0         | 17.31                 | 17.38                    | 17.44                  |                     |          |  |  |  |  |  |
| Channel         |            |         |           | 37600                 | 38000                    | 38200                  |                     |          |  |  |  |  |  |
| Frequency (MHz) |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |  |  |  |  |
| 10              | QPSK       | 1       | 0         | 22.50                 | 22.56                    | 22.52                  | 24                  | 0        |  |  |  |  |  |
| 10              | QPSK       | 1       | 25        | 22.44                 | 22.48                    | 22.39                  |                     |          |  |  |  |  |  |
| 10              | QPSK       | 1       | 49        | 22.35                 | 22.44                    | 22.36                  | 23                  | 1        |  |  |  |  |  |
| 10              | QPSK       | 25      | 0         | 21.38                 | 21.45                    | 21.56                  |                     |          |  |  |  |  |  |
| 10              | QPSK       | 25      | 12        | 21.47                 | 21.43                    | 21.31                  | 23                  | 1        |  |  |  |  |  |
| 10              | QPSK       | 25      | 25        | 21.29                 | 21.34                    | 21.64                  |                     |          |  |  |  |  |  |
| 10              | QPSK       | 50      | 0         | 21.35                 | 21.47                    | 21.37                  | 23                  | 1        |  |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 21.45                 | 21.46                    | 21.56                  |                     |          |  |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 21.17                 | 21.60                    | 21.43                  | 23                  | 1        |  |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 21.41                 | 21.50                    | 21.35                  |                     |          |  |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 20.31                 | 20.37                    | 20.32                  | 22                  | 2        |  |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 20.32                 | 20.00                    | 20.39                  |                     |          |  |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 20.38                 | 20.24                    | 20.43                  | 22                  | 2        |  |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 20.22                 | 20.30                    | 20.13                  |                     |          |  |  |  |  |  |
| 10              | 64QAM      | 1       | 0         | 20.27                 | 20.37                    | 20.18                  | 22                  | 2        |  |  |  |  |  |
| 10              | 64QAM      | 1       | 25        | 20.13                 | 20.08                    | 20.21                  |                     |          |  |  |  |  |  |
| 10              | 64QAM      | 1       | 49        | 20.24                 | 20.27                    | 20.36                  | 21                  | 3        |  |  |  |  |  |
| 10              | 64QAM      | 25      | 0         | 19.21                 | 19.50                    | 19.20                  |                     |          |  |  |  |  |  |
| 10              | 64QAM      | 25      | 12        | 19.44                 | 19.29                    | 19.39                  | 19                  | 5        |  |  |  |  |  |
| 10              | 64QAM      | 25      | 25        | 19.28                 | 19.29                    | 19.33                  |                     |          |  |  |  |  |  |
| 10              | 64QAM      | 50      | 0         | 19.23                 | 19.25                    | 19.09                  | 19                  | 5        |  |  |  |  |  |
| 10              | 256QAM     | 1       | 0         | 17.35                 | 17.38                    | 17.16                  |                     |          |  |  |  |  |  |
| 10              | 256QAM     | 1       | 25        | 17.27                 | 17.37                    | 17.48                  | 19                  | 5        |  |  |  |  |  |
| 10              | 256QAM     | 1       | 49        | 17.37                 | 17.40                    | 17.22                  |                     |          |  |  |  |  |  |
| 10              | 256QAM     | 25      | 0         | 17.31                 | 17.54                    | 17.34                  | 19                  | 5        |  |  |  |  |  |
| 10              | 256QAM     | 25      | 12        | 17.38                 | 17.54                    | 17.45                  |                     |          |  |  |  |  |  |
| 10              | 256QAM     | 25      | 25        | 17.42                 | 17.39                    | 17.13                  | 19                  | 5        |  |  |  |  |  |
| 10              | 256QAM     | 50      | 0         | 17.34                 | 17.21                    | 17.55                  |                     |          |  |  |  |  |  |
| Channel         |            |         |           | 37775                 | 38000                    | 38225                  |                     |          |  |  |  |  |  |
| Frequency (MHz) |            |         |           | 2592.5                | 2595                     | 2617.5                 |                     |          |  |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 22.68                 | 22.70                    | 22.52                  | 24                  | 0        |  |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 22.43                 | 22.67                    | 22.44                  |                     |          |  |  |  |  |  |
| 5               | QPSK       | 1       | 24        | 22.29                 | 22.41                    | 22.42                  | 23                  | 1        |  |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 21.32                 | 21.60                    | 21.45                  |                     |          |  |  |  |  |  |
| 5               | QPSK       | 12      | 7         | 21.33                 | 21.43                    | 21.43                  | 23                  | 1        |  |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 21.22                 | 21.48                    | 21.46                  |                     |          |  |  |  |  |  |
| 5               | QPSK       | 25      | 0         | 21.39                 | 21.30                    | 21.37                  | 23                  | 1        |  |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 21.37                 | 21.32                    | 21.43                  |                     |          |  |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 21.18                 | 21.42                    | 21.52                  | 23                  | 1        |  |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 21.45                 | 21.42                    | 21.44                  |                     |          |  |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 20.20                 | 20.29                    | 20.49                  | 22                  | 2        |  |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 20.46                 | 20.06                    | 20.27                  |                     |          |  |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 20.37                 | 20.34                    | 20.40                  | 22                  | 2        |  |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 20.31                 | 20.34                    | 20.27                  |                     |          |  |  |  |  |  |
| 5               | 64QAM      | 1       | 0         | 20.24                 | 20.26                    | 20.38                  | 22                  | 2        |  |  |  |  |  |
| 5               | 64QAM      | 1       | 12        | 20.05                 |                          |                        |                     |          |  |  |  |  |  |

| Band 2 Ant 4    |            |         |           |                 |                      |                     |                   |          |       |
|-----------------|------------|---------|-----------|-----------------|----------------------|---------------------|-------------------|----------|-------|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Ch./Freq. | Power High Ch./Freq. | Power Low Ch./Freq. | Turn-on time (dB) | MFR (dB) |       |
| Channel         |            |         |           |                 |                      |                     |                   |          |       |
| Frequency (MHz) | Ch. 1      | Ch. 2   | Ch. 3     | Ch. 4           | Ch. 5                | Ch. 6               | Ch. 7             | Ch. 8    | Ch. 9 |
| 20              | QPSK       | 1       | 0         | 17.87           | 17.86                | 17.86               |                   |          |       |
| 20              | QPSK       | 1       | 49        | 17.77           | 17.48                | 17.58               |                   |          |       |
| 20              | QPSK       | 1       | 99        | 17.68           | 17.43                | 17.58               | 19                | 0        |       |
| 20              | QPSK       | 50      | 0         | 17.80           | 17.80                | 17.86               |                   |          |       |
| 20              | QPSK       | 50      | 24        | 17.58           | 17.47                | 17.46               |                   |          |       |
| 20              | QPSK       | 50      | 50        | 17.71           | 17.71                | 17.86               |                   |          |       |
| 20              | QPSK       | 100     | 0         | 17.81           | 17.81                | 17.84               |                   |          |       |
| 20              | QPSK       | 1       | 99        | 17.45           | 17.72                | 17.50               |                   |          |       |
| 20              | QPSK       | 1       | 0         | 17.71           | 17.77                | 17.82               |                   |          |       |
| 20              | QPSK       | 50      | 24        | 17.42           | 17.42                | 17.89               |                   |          |       |
| 20              | QPSK       | 50      | 50        | 17.59           | 17.74                | 17.79               |                   |          |       |
| 20              | QPSK       | 100     | 0         | 17.67           | 17.67                | 17.89               |                   |          |       |
| 20              | QPSK       | 1       | 0         | 17.49           | 17.75                | 17.75               |                   |          |       |
| 20              | QPSK       | 1       | 49        | 17.51           | 17.81                | 17.72               |                   |          |       |
| 20              | QPSK       | 1       | 99        | 17.47           | 17.80                | 17.80               |                   |          |       |
| 20              | QPSK       | 50      | 24        | 17.57           | 17.85                | 17.77               |                   |          |       |
| 20              | QPSK       | 50      | 50        | 17.70           | 17.85                | 17.85               |                   |          |       |
| 20              | QPSK       | 100     | 0         | 17.57           | 17.84                | 17.84               |                   |          |       |
| 20              | QPSK       | 1       | 49        | 17.18           | 17.17                | 17.81               | 18                | 1        |       |
| 20              | QPSK       | 1       | 99        | 17.68           | 17.68                | 17.87               |                   |          |       |
| 20              | QPSK       | 50      | 24        | 17.57           | 17.86                | 17.86               |                   |          |       |
| 20              | QPSK       | 50      | 50        | 17.60           | 17.84                | 17.84               |                   |          |       |
| 20              | QPSK       | 100     | 0         | 17.60           | 17.84                | 17.84               |                   |          |       |
| Channel         |            |         |           |                 |                      |                     |                   |          |       |
| Frequency (MHz) | Ch. 1      | Ch. 2   | Ch. 3     | Ch. 4           | Ch. 5                | Ch. 6               | Ch. 7             | Ch. 8    | Ch. 9 |
| 15              | QPSK       | 1       | 0         | 17.68           | 17.62                | 17.88               |                   |          |       |
| 15              | QPSK       | 1       | 99        | 17.58           | 17.63                | 17.86               |                   |          |       |
| 15              | QPSK       | 1       | 74        | 17.56           | 17.63                | 17.89               |                   |          |       |
| 15              | QPSK       | 36      | 0         | 17.78           | 17.65                | 17.86               |                   |          |       |
| 15              | QPSK       | 36      | 24        | 17.53           | 17.73                | 17.87               |                   |          |       |
| 15              | QPSK       | 36      | 50        | 17.62           | 17.62                | 17.84               |                   |          |       |
| 15              | QPSK       | 75      | 0         | 17.74           | 17.68                | 17.86               |                   |          |       |
| 15              | QPSK       | 75      | 24        | 17.75           | 17.75                | 17.83               |                   |          |       |
| 15              | QPSK       | 1       | 37        | 17.59           | 17.59                | 17.89               |                   |          |       |
| 15              | QPSK       | 1       | 99        | 17.59           | 17.59                | 17.86               |                   |          |       |
| 15              | QPSK       | 36      | 0         | 17.64           | 17.64                | 17.87               |                   |          |       |
| 15              | QPSK       | 36      | 20        | 17.61           | 17.59                | 17.90               |                   |          |       |
| 15              | QPSK       | 75      | 0         | 17.47           | 17.73                | 17.79               |                   |          |       |
| 15              | QPSK       | 75      | 0         | 17.58           | 17.58                | 17.86               |                   |          |       |
| 15              | QPSK       | 1       | 37        | 16.98           | 17.00                | 16.92               | 18                | 1        |       |
| 15              | QPSK       | 1       | 74        | 16.98           | 16.92                | 16.86               |                   |          |       |
| 15              | QPSK       | 36      | 0         | 16.98           | 16.92                | 16.86               |                   |          |       |
| 15              | QPSK       | 36      | 20        | 16.98           | 17.07                | 16.97               |                   |          |       |
| 15              | QPSK       | 75      | 0         | 16.87           | 16.78                | 17.01               |                   |          |       |
| 15              | QPSK       | 75      | 0         | 16.91           | 17.08                | 16.96               |                   |          |       |
| Channel         |            |         |           |                 |                      |                     |                   |          |       |
| Frequency (MHz) | Ch. 1      | Ch. 2   | Ch. 3     | Ch. 4           | Ch. 5                | Ch. 6               | Ch. 7             | Ch. 8    | Ch. 9 |
| 10              | QPSK       | 1       | 0         | 17.68           | 17.68                | 17.86               |                   |          |       |
| 10              | QPSK       | 1       | 25        | 17.62           | 17.62                | 17.88               |                   |          |       |
| 10              | QPSK       | 25      | 12        | 17.60           | 17.61                | 17.53               |                   |          |       |
| 10              | QPSK       | 25      | 25        | 17.58           | 17.61                | 17.64               |                   |          |       |
| 10              | QPSK       | 50      | 0         | 17.68           | 17.68                | 17.86               |                   |          |       |
| 10              | QPSK       | 50      | 0         | 17.75           | 17.63                | 17.70               |                   |          |       |
| 10              | QPSK       | 1       | 25        | 17.69           | 17.65                | 17.86               |                   |          |       |
| 10              | QPSK       | 1       | 49        | 17.67           | 17.70                | 17.73               |                   |          |       |
| 10              | QPSK       | 25      | 12        | 17.59           | 17.75                | 17.60               |                   |          |       |
| 10              | QPSK       | 25      | 12        | 17.62           | 17.62                | 17.86               |                   |          |       |
| 10              | QPSK       | 25      | 25        | 17.59           | 17.64                | 17.89               |                   |          |       |
| 10              | QPSK       | 50      | 0         | 17.59           | 17.67                | 17.59               |                   |          |       |
| 10              | QPSK       | 50      | 0         | 16.89           | 16.97                | 16.96               |                   |          |       |
| 10              | QPSK       | 1       | 25        | 16.11           | 16.97                | 16.97               | 18                | 1        |       |
| 10              | QPSK       | 1       | 49        | 16.88           | 16.92                | 16.96               |                   |          |       |
| 10              | QPSK       | 25      | 0         | 16.85           | 16.91                | 16.96               |                   |          |       |
| 10              | QPSK       | 25      | 12        | 16.95           | 16.97                | 16.81               |                   |          |       |
| 10              | QPSK       | 25      | 25        | 16.87           | 16.92                | 16.94               |                   |          |       |
| 10              | QPSK       | 50      | 0         | 16.87           | 16.90                | 16.96               |                   |          |       |
| Channel         |            |         |           |                 |                      |                     |                   |          |       |
| Frequency (MHz) | Ch. 1      | Ch. 2   | Ch. 3     | Ch. 4           | Ch. 5                | Ch. 6               | Ch. 7             | Ch. 8    | Ch. 9 |
| 5               | QPSK       | 1       | 0         | 17.63           | 17.66                | 17.87               |                   |          |       |
| 5               | QPSK       | 1       | 12        | 17.63           | 17.76                | 17.88               |                   |          |       |
| 5               | QPSK       | 1       | 24        | 17.59           | 17.75                | 17.77               |                   |          |       |
| 5               | QPSK       | 12      | 0         | 17.75           | 17.65                | 17.86               |                   |          |       |
| 5               | QPSK       | 12      | 7         | 17.62           | 17.62                | 17.53               |                   |          |       |
| 5               | QPSK       | 12      | 13        | 17.81           | 17.81                | 17.65               |                   |          |       |
| 5               | QPSK       | 25      | 0         | 17.71           | 17.81                | 17.65               |                   |          |       |
| 5               | QPSK       | 1       | 0         | 17.77           | 17.70                | 17.86               |                   |          |       |
| 5               | QPSK       | 1       | 12        | 17.65           | 17.68                | 17.80               |                   |          |       |
| 5               | QPSK       | 1       | 12        | 17.68           | 17.68                | 17.86               |                   |          |       |
| 5               | QPSK       | 12      | 0         | 17.68           | 17.68                | 17.86               |                   |          |       |
| 5               | QPSK       | 12      | 7         | 17.46           | 17.75                | 17.59               |                   |          |       |
| 5               | QPSK       | 12      | 13        | 17.70           | 17.75                | 17.56               |                   |          |       |
| 5               | QPSK       | 25      | 0         | 17.69           | 17.62                | 17.81               |                   |          |       |
| 5               | QPSK       | 1       | 0         | 17.69           | 17.72                | 17.79               |                   |          |       |
| 5               | QPSK       | 1       | 0         | 17.59           | 17.67                | 17.87               |                   |          |       |
| 5               | QPSK       | 1       | 24        | 17.81           | 17.77                | 17.79               |                   |          |       |
| 5               | QPSK       | 12      | 0         | 17.55           | 17.75                | 17.67               |                   |          |       |
| 5               | QPSK       | 12      | 0         | 17.69           | 17.62                | 17.78               |                   |          |       |
| 5               | QPSK       | 25      | 0         | 17.70           | 17.74                | 17.71               |                   |          |       |
| 5               | QPSK       | 25      | 0         | 16.98           | 16.87                | 17.34               |                   |          |       |
| 5               | QPSK       | 1       | 12        | 16.16           | 17.11                | 16.97               | 18                | 1        |       |
| 5               | QPSK       | 1       | 24        | 16.32           | 16.97                | 16.96               |                   |          |       |
| 5               | QPSK       | 12      | 0         | 16.98           | 16.88                | 16.92               |                   |          |       |
| 5               | QPSK       | 12      | 7         | 16.94           | 17.08                | 16.94               |                   |          |       |
| 5               | QPSK       | 25      | 12        | 16.80           | 16.96                | 16.83               |                   |          |       |
| 5               | QPSK       | 25      | 12        | 16.89           | 17.15                | 16.98               |                   |          |       |
| Channel         |            |         |           |                 |                      |                     |                   |          |       |
| Frequency (MHz) | Ch. 1      | Ch. 2   | Ch. 3     | Ch. 4           | Ch. 5                | Ch. 6               | Ch. 7             | Ch. 8    | Ch. 9 |
| 3               | QPSK       | 1       | 0         | 17.62           | 17.66                | 17.88               |                   |          |       |
| 3               | QPSK       | 1       | 8         | 17.78           | 17.67                | 17.84               |                   |          |       |
| 3               | QPSK       | 1       | 14        | 17.51           | 17.73                | 17.72               |                   |          |       |
| 3               | QPSK       | 8       | 0         | 17.75           | 17.67                | 17.85               |                   |          |       |
| 3               | QPSK       | 8       | 4         | 17.63           | 17.66                | 17.88               |                   |          |       |
| 3               | QPSK       | 8       | 7         | 17.76           | 17.65                | 17.84               |                   |          |       |
| 3               | QPSK       | 16      | 0         | 17.58           | 17.64                | 17.89               |                   |          |       |
| 3               | QPSK       | 1       | 0         | 17.60           | 17.75                | 17.50               |                   |          |       |
| 3               | QPSK       | 1       | 8         | 17.54           | 17.68                | 17.87               |                   |          |       |
| 3               | QPSK       | 1       | 14        | 17.44           | 17.84                | 17.47               |                   |          |       |
| 3               | QPSK       | 8       | 0         | 17.68           | 17.81                | 17.79               |                   |          |       |
| 3               | QPSK       | 8       | 4         | 17.64           | 17.67                | 17.89               |                   |          |       |
| 3               | QPSK       | 16      | 0         | 17.69           | 17.75                | 17.69               |                   |          |       |
| 3               | QPSK       | 1       | 0         | 17.62           | 17.91                | 17.73               |                   |          |       |
| 3               | QPSK       | 1       | 0         | 17.59           | 17.69                | 17.76               |                   |          |       |
| 3               | QPSK       | 1       | 0         | 17.61           | 17.69                | 17.74               |                   |          |       |
| 3               | QPSK       | 1       | 14        | 17.75           | 17.71                | 17.77               |                   |          |       |
| 3               | QPSK       | 8       | 0         | 17.64           | 17.77                | 17.84               |                   |          |       |
| 3               | QPSK       | 8       | 7         | 17.78           | 17.62                | 17.87               |                   |          |       |
| 3               | QPSK       | 8       | 7         | 17.49           | 17.79                | 17.70               |                   |          |       |
| 3               | QPSK       | 16      | 0         | 16.96           | 17.02                | 16.87               |                   |          |       |
| 3               | QPSK       | 1       | 8         | 17.12           | 17.18                | 16.95               |                   |          |       |
| 3               | QPSK       | 1       | 14        | 16.92           | 16.99                | 16.94               |                   |          |       |
| 3               | QPSK       | 8       | 0         | 16.84           | 16.89                | 16.99               |                   |          |       |
| 3               | QPSK       | 8       | 4         | 16.89           | 16.98                | 16.77               |                   |          |       |
| 3               | QPSK       | 16      | 0         | 16.84           | 16.91                | 16.91               |                   |          |       |
| 3               | QPSK       | 16      | 0         | 16.96           | 17.12                | 16.96               |                   |          |       |
| Channel         |            |         |           |                 |                      |                     |                   |          |       |
| Frequency (MHz) | Ch. 1      | Ch. 2   | Ch. 3     | Ch. 4           | Ch. 5                | Ch. 6               | Ch. 7             | Ch. 8    | Ch. 9 |
| 1.4             | QPSK       | 1       | 0         | 17.63           | 17.66                | 17.89               |                   |          |       |
| 1.4             | QPSK       | 1       | 3         | 17.76           | 17.70                | 17.78               |                   |          |       |
| 1.4             | QPSK       | 1       | 5         | 17.50           | 17.66                | 17.76               |                   |          |       |
| 1.4             | QPSK       | 3       | 0         | 17.73           | 17.84                | 17.88               |                   |          |       |
| 1.4             | QPSK       | 3       | 1         | 17.48           | 17.70                | 17.86               |                   |          |       |
| 1.4             | QPSK       | 5       | 0         | 17.62           | 17.65                | 17.87               |                   |          |       |
| 1.4             | QPSK       | 5       | 3         | 17.75           | 17.88                | 17.50               |                   |          |       |
| 1.4             | QPSK       | 1       | 0         | 17.65           | 17.66                | 17.82               |                   |          |       |
| 1.4             | QPSK       | 1       | 3         | 17.52           | 17.64                | 17.84               |                   |          |       |
| 1.4             | QPSK       | 1       | 5         | 17.45           | 17.68                | 17.50               |                   |          |       |
| 1.4             | QPSK       | 3       | 0         | 17.61           | 17.79                | 17.87               |                   |          |       |
| 1.4             | QPSK       | 3       | 3         | 17.70           | 17.82                | 17.83               |                   |          |       |
| 1.4             | QPSK       | 5       | 0         | 17.67           | 17.87                | 17.73               |                   |          |       |
| 1.4             | QPSK       | 5       | 3         | 17.68           | 17.88                | 17.83               |                   |          |       |
| 1.4             | QPSK       | 1       | 0         | 17.70           | 17.79                | 17.86               |                   |          |       |
| 1.4             | QPSK       | 1       | 3         | 17.62           | 17.82                | 17.85               |                   |          |       |
| 1.4             | QPSK       | 3       | 0         | 17.55           | 17.77                | 17.45               |                   |          |       |
| 1.4             | QPSK       | 3       | 3         | 17.79           | 17.88                | 17.63               |                   |          |       |
| 1.4             | QPSK       | 5       | 0         | 17.64           | 17.88                | 17.87               |                   |          |       |
| 1.4             | QPSK       | 5       | 3         | 17.62           | 17.84                | 17.87               |                   |          |       |
| 1.4             | QPSK       | 1       | 0         | 17.69           | 17.69                | 17.82               |                   |          |       |
| 1.4             | QPSK       | 1       | 3         | 17.65           | 17.85                | 17.85               |                   |          |       |
| 1.4             | QPSK       | 3       | 0         | 17.60           | 17.80                | 17.85               |                   |          |       |
| 1.4             | QPSK       | 3       | 3         | 16.89           | 16.89                | 16.97               |                   |          |       |

| Band 25 Ant 4   |            |         |           |                    |                     |                     |                    |          |  |  |
|-----------------|------------|---------|-----------|--------------------|---------------------|---------------------|--------------------|----------|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch (dBm) | Power High Ch (dBm) | Power High Ch (dBm) | Turnup limit (sec) | MPE (dB) |  |  |
| Channel         |            |         |           |                    |                     |                     |                    |          |  |  |
| Frequency (MHz) |            |         |           |                    |                     |                     |                    |          |  |  |
| 20              | QPSK       | 1       | 0         | 17.92              | 18.00               | 18.00               |                    |          |  |  |
| 20              | QPSK       | 1       | 49        | 17.77              | 17.84               | 17.78               | 19                 | 0        |  |  |
| 20              | QPSK       | 1       | 99        | 17.68              | 17.84               | 17.87               |                    |          |  |  |
| 20              | QPSK       | 50      | 0         | 17.95              | 18.03               | 18.01               |                    |          |  |  |
| 20              | QPSK       | 50      | 24        | 17.69              | 17.84               | 17.88               |                    |          |  |  |
| 20              | QPSK       | 50      | 50        | 17.79              | 18.00               | 17.87               |                    |          |  |  |
| 20              | QPSK       | 100     | 0         | 17.83              | 17.88               | 17.91               |                    |          |  |  |
| 20              | QPSK       | 1       | 49        | 17.72              | 18.05               | 17.86               | 19                 | 0        |  |  |
| 20              | QPSK       | 1       | 99        | 17.61              | 17.91               | 17.88               |                    |          |  |  |
| 20              | QPSK       | 50      | 0         | 17.80              | 17.97               | 17.92               |                    |          |  |  |
| 20              | QPSK       | 50      | 24        | 17.83              | 17.97               | 17.73               |                    |          |  |  |
| 20              | QPSK       | 50      | 50        | 17.81              | 17.92               | 17.97               |                    |          |  |  |
| 20              | QPSK       | 100     | 0         | 17.75              | 18.04               | 17.78               |                    |          |  |  |
| 20              | QPSK       | 1       | 0         | 17.88              | 17.89               | 17.88               |                    |          |  |  |
| 20              | QPSK       | 1       | 49        | 17.73              | 17.95               | 17.72               | 19                 | 0        |  |  |
| 20              | QPSK       | 50      | 24        | 17.82              | 18.03               | 17.88               |                    |          |  |  |
| 20              | QPSK       | 50      | 50        | 17.84              | 17.90               | 17.88               |                    |          |  |  |
| 20              | QPSK       | 100     | 0         | 17.88              | 17.89               | 17.88               |                    |          |  |  |
| 20              | QPSK       | 1       | 0         | 17.00              | 18.00               | 18.00               |                    |          |  |  |
| 20              | QPSK       | 1       | 99        | 17.06              | 18.04               | 18.06               | 18                 | 1        |  |  |
| 20              | QPSK       | 50      | 0         | 18.05              | 18.06               | 18.06               |                    |          |  |  |
| 20              | QPSK       | 50      | 24        | 18.04              | 18.08               | 18.07               |                    |          |  |  |
| 20              | QPSK       | 50      | 50        | 18.07              | 18.08               | 17.91               |                    |          |  |  |
| 20              | QPSK       | 100     | 0         | 18.07              | 17.90               | 18.01               |                    |          |  |  |
| Channel         |            |         |           |                    |                     |                     |                    |          |  |  |
| Frequency (MHz) |            |         |           |                    |                     |                     |                    |          |  |  |
| 18              | QPSK       | 1       | 0         | 17.74              | 18.03               | 17.72               |                    |          |  |  |
| 20              | QPSK       | 1       | 37        | 17.69              | 17.78               | 17.73               | 19                 | 0        |  |  |
| 20              | QPSK       | 1       | 74        | 17.64              | 17.84               | 17.86               |                    |          |  |  |
| 20              | QPSK       | 36      | 0         | 17.78              | 17.87               | 17.71               |                    |          |  |  |
| 20              | QPSK       | 36      | 25        | 17.64              | 17.78               | 17.81               |                    |          |  |  |
| 20              | QPSK       | 36      | 39        | 17.63              | 17.81               | 17.85               |                    |          |  |  |
| 20              | QPSK       | 75      | 0         | 17.74              | 17.89               | 17.82               |                    |          |  |  |
| 20              | QPSK       | 75      | 0         | 17.68              | 17.87               | 17.87               |                    |          |  |  |
| 20              | QPSK       | 1       | 37        | 17.61              | 17.92               | 17.71               | 19                 | 0        |  |  |
| 20              | QPSK       | 1       | 74        | 17.57              | 17.78               | 17.86               |                    |          |  |  |
| 20              | QPSK       | 36      | 0         | 17.65              | 17.94               | 17.89               |                    |          |  |  |
| 20              | QPSK       | 36      | 20        | 17.49              | 17.84               | 17.85               | 19                 | 0        |  |  |
| 20              | QPSK       | 36      | 39        | 17.77              | 17.84               | 17.84               |                    |          |  |  |
| 20              | QPSK       | 75      | 0         | 17.60              | 17.88               | 17.89               |                    |          |  |  |
| 20              | QPSK       | 1       | 0         | 17.54              | 17.70               | 17.83               |                    |          |  |  |
| 20              | QPSK       | 1       | 37        | 17.52              | 17.90               | 17.88               |                    |          |  |  |
| 20              | QPSK       | 1       | 74        | 17.57              | 17.75               | 17.89               |                    |          |  |  |
| 20              | QPSK       | 36      | 0         | 17.68              | 17.82               | 17.82               |                    |          |  |  |
| 20              | QPSK       | 36      | 20        | 17.54              | 17.83               | 17.83               |                    |          |  |  |
| 20              | QPSK       | 36      | 39        | 17.54              | 17.81               | 17.81               |                    |          |  |  |
| 20              | QPSK       | 75      | 0         | 17.62              | 17.84               | 17.73               |                    |          |  |  |
| 20              | QPSK       | 75      | 0         | 17.52              | 17.88               | 17.88               |                    |          |  |  |
| 20              | QPSK       | 1       | 37        | 17.02              | 17.93               | 18.06               | 18                 | 1        |  |  |
| 20              | QPSK       | 1       | 74        | 18.00              | 17.86               | 17.88               |                    |          |  |  |
| 20              | QPSK       | 36      | 0         | 17.86              | 17.86               | 17.86               |                    |          |  |  |
| 20              | QPSK       | 36      | 20        | 18.06              | 17.95               | 18.00               |                    |          |  |  |
| 20              | QPSK       | 36      | 39        | 17.80              | 18.02               | 18.08               |                    |          |  |  |
| 20              | QPSK       | 75      | 0         | 18.06              | 17.88               | 18.03               |                    |          |  |  |
| Channel         |            |         |           |                    |                     |                     |                    |          |  |  |
| Frequency (MHz) |            |         |           |                    |                     |                     |                    |          |  |  |
| 18              | QPSK       | 1       | 0         | 18.00              | 18.04               | 18.04               |                    |          |  |  |
| 20              | QPSK       | 1       | 25        | 17.78              | 17.84               | 17.86               | 19                 | 0        |  |  |
| 20              | QPSK       | 1       | 49        | 17.64              | 17.77               | 17.81               |                    |          |  |  |
| 20              | QPSK       | 36      | 0         | 17.77              | 17.83               | 17.84               |                    |          |  |  |
| 20              | QPSK       | 36      | 25        | 17.56              | 17.69               | 17.75               |                    |          |  |  |
| 20              | QPSK       | 36      | 39        | 17.52              | 17.80               | 17.82               |                    |          |  |  |
| 20              | QPSK       | 75      | 0         | 17.82              | 17.86               | 17.88               |                    |          |  |  |
| 20              | QPSK       | 1       | 0         | 17.76              | 17.71               | 17.59               |                    |          |  |  |
| 20              | QPSK       | 1       | 26        | 17.70              | 17.96               | 17.73               | 19                 | 0        |  |  |
| 20              | QPSK       | 1       | 49        | 17.64              | 17.88               | 17.88               |                    |          |  |  |
| 20              | QPSK       | 36      | 0         | 17.70              | 17.88               | 17.88               |                    |          |  |  |
| 20              | QPSK       | 36      | 20        | 17.77              | 17.93               | 17.79               |                    |          |  |  |
| 20              | QPSK       | 36      | 39        | 17.76              | 17.88               | 17.88               |                    |          |  |  |
| 20              | QPSK       | 75      | 0         | 17.96              | 17.88               | 17.88               |                    |          |  |  |
| 20              | QPSK       | 1       | 0         | 17.71              | 17.81               | 17.83               |                    |          |  |  |
| 20              | QPSK       | 1       | 49        | 17.65              | 17.80               | 17.70               |                    |          |  |  |
| 20              | QPSK       | 36      | 0         | 17.56              | 17.91               | 17.82               |                    |          |  |  |
| 20              | QPSK       | 36      | 12        | 17.62              | 17.86               | 18.01               |                    |          |  |  |
| 20              | QPSK       | 36      | 25        | 17.50              | 17.74               | 17.79               |                    |          |  |  |
| 20              | QPSK       | 50      | 0         | 17.58              | 17.76               | 17.86               |                    |          |  |  |
| 20              | QPSK       | 50      | 0         | 17.50              | 17.76               | 17.86               |                    |          |  |  |
| 20              | QPSK       | 1       | 26        | 17.11              | 17.83               | 18.01               | 18                 | 1        |  |  |
| 20              | QPSK       | 1       | 49        | 16.93              | 18.06               | 17.99               |                    |          |  |  |
| 20              | QPSK       | 36      | 0         | 18.01              | 18.05               | 18.02               |                    |          |  |  |
| 20              | QPSK       | 36      | 25        | 18.02              | 18.02               | 18.02               |                    |          |  |  |
| 20              | QPSK       | 36      | 39        | 17.80              | 17.99               | 18.07               |                    |          |  |  |
| 20              | QPSK       | 75      | 0         | 17.85              | 17.87               | 17.88               |                    |          |  |  |
| 20              | QPSK       | 75      | 0         | 18.04              | 17.85               | 18.00               |                    |          |  |  |
| Channel         |            |         |           |                    |                     |                     |                    |          |  |  |
| Frequency (MHz) |            |         |           |                    |                     |                     |                    |          |  |  |
| 18              | QPSK       | 1       | 0         | 18.03              | 18.03               | 18.03               |                    |          |  |  |
| 20              | QPSK       | 1       | 12        | 17.68              | 17.85               | 17.79               | 19                 | 0        |  |  |
| 20              | QPSK       | 1       | 24        | 17.70              | 17.74               | 17.78               |                    |          |  |  |
| 20              | QPSK       | 12      | 0         | 17.66              | 17.84               | 17.82               |                    |          |  |  |
| 20              | QPSK       | 12      | 7         | 17.54              | 17.79               | 17.84               |                    |          |  |  |
| 20              | QPSK       | 12      | 13        | 17.62              | 17.82               | 17.89               |                    |          |  |  |
| 20              | QPSK       | 20      | 0         | 17.68              | 17.86               | 17.89               |                    |          |  |  |
| 20              | QPSK       | 1       | 0         | 17.64              | 17.74               | 17.71               |                    |          |  |  |
| 20              | QPSK       | 1       | 12        | 17.71              | 18.03               | 17.78               | 19                 | 0        |  |  |
| 20              | QPSK       | 1       | 24        | 17.69              | 17.74               | 17.78               |                    |          |  |  |
| 20              | QPSK       | 12      | 0         | 17.82              | 17.88               | 17.87               |                    |          |  |  |
| 20              | QPSK       | 12      | 7         | 17.62              | 17.88               | 17.83               |                    |          |  |  |
| 20              | QPSK       | 12      | 13        | 17.81              | 17.88               | 17.88               |                    |          |  |  |
| 20              | QPSK       | 20      | 0         | 17.64              | 17.82               | 17.78               |                    |          |  |  |
| 20              | QPSK       | 1       | 0         | 17.59              | 17.74               | 17.73               |                    |          |  |  |
| 20              | QPSK       | 1       | 12        | 17.63              | 17.71               | 17.80               |                    |          |  |  |
| 20              | QPSK       | 1       | 24        | 17.81              | 17.86               | 17.84               |                    |          |  |  |
| 20              | QPSK       | 12      | 0         | 17.62              | 17.88               | 17.87               |                    |          |  |  |
| 20              | QPSK       | 12      | 7         | 17.62              | 17.88               | 17.83               |                    |          |  |  |
| 20              | QPSK       | 12      | 13        | 17.83              | 17.71               | 17.80               |                    |          |  |  |
| 20              | QPSK       | 20      | 0         | 17.64              | 17.82               | 17.78               |                    |          |  |  |
| 20              | QPSK       | 1       | 0         | 17.59              | 17.74               | 17.73               |                    |          |  |  |
| 20              | QPSK       | 1       | 12        | 17.63              | 17.71               | 17.80               |                    |          |  |  |
| 20              | QPSK       | 1       | 24        | 17.81              | 17.86               | 17.84               |                    |          |  |  |
| 20              | QPSK       | 12      | 0         | 17.62              | 17.88               | 17.87               |                    |          |  |  |
| 20              | QPSK       | 12      | 7         | 17.62              | 17.88               | 17.83               |                    |          |  |  |
| 20              | QPSK       | 12      | 13        | 17.83              | 17.71               | 17.80               |                    |          |  |  |
| 20              | QPSK       | 20      | 0         | 17.64              | 17.82               | 17.78               |                    |          |  |  |
| 20              | QPSK       | 1       | 0         | 17.59              | 17.74               | 17.73               |                    |          |  |  |
| 20              | QPSK       | 1       | 12        | 17.63              | 17.71               | 17.80               |                    |          |  |  |
| 20              | QPSK       | 1       | 24        | 17.81              | 17.86               | 17.84               |                    |          |  |  |
| 20              | QPSK       | 12      | 0         | 17.62              | 17.88               | 17.87               |                    |          |  |  |
| 20              | QPSK       | 12      | 7         | 17.62              | 17.88               | 17.83               |                    |          |  |  |
| 20              | QPSK       | 12      | 13        | 17.83              | 17.71               | 17.80               |                    |          |  |  |
| 20              | QPSK       | 20      | 0         | 17.64              | 17.82               | 17.78               |                    |          |  |  |
| 20              | QPSK       | 1       | 0         | 17.59              | 17.74               | 17.73               |                    |          |  |  |
| 20              | QPSK       | 1       | 12        | 17.63              | 17.71               | 17.80               |                    |          |  |  |
| 20              | QPSK       | 1       | 24        | 17.81              | 17.86               | 17.84               |                    |          |  |  |
| 20              | QPSK       | 12      | 0         | 17.62              | 17.88               | 17.87               |                    |          |  |  |
| 20              | QPSK       | 12      | 7         | 17.62              | 17.88               | 17.83               |                    |          |  |  |
| 20              | QPSK       | 12      | 13        | 17.83              | 17.71               | 17.80               |                    |          |  |  |
| 20              | QPSK       | 20      | 0         | 17.64              | 17.82               | 17.78               |                    |          |  |  |
| 20              | QPSK       | 1       | 0         | 17.59              | 17.74               | 17.73               |                    |          |  |  |
| 20              | QPSK       | 1       | 12        | 17.63              | 17.71               | 17.80               |                    |          |  |  |
| 20              | QPSK       | 1       | 24        | 17.81              | 17.86               | 17.84               |                    |          |  |  |
| 20              | QPSK       | 12      | 0         | 17.62              | 17.88               | 17.87               |                    |          |  |  |
| 20              | QPSK       | 12      | 7         | 17.62              | 17.88               | 17.83               |                    |          |  |  |
| 20              | QPSK       | 12      | 13        | 17.83              | 17.71               | 17.80               |                    |          |  |  |
| 20              | QPSK       | 20      | 0         | 17.64              | 17.82               | 17.78               |                    |          |  |  |
| 20              | QPSK       | 1       | 0         | 17.59              | 17.74               | 17.73               |                    |          |  |  |
| 20              | QPSK       | 1       | 12        | 17.63              | 17.71               | 17.80               |                    |          |  |  |
| 20              | QPSK       | 1       | 24        | 17.81              | 17.86               | 17.84               |                    |          |  |  |
| 20              | QPSK       | 12      | 0         | 17.62              | 17.88               | 17.87               |                    |          |  |  |
| 20              | QPSK       | 12      | 7         | 17.62              | 17.88               | 17.83               |                    |          |  |  |
| 20              | QPSK       | 12      | 13        | 17.83              | 17.71               | 17.80               |                    |          |  |  |
| 20              | QPSK       | 20      | 0         | 17.64              | 17.82               | 17.78               |                    |          |  |  |
| 20              | QPSK       | 1       | 0         | 17.59              | 17.74               | 17.73               |                    |          |  |  |
| 20              | QPSK       | 1       | 12        | 17.63              | 17.71               | 17.80               |                    |          |  |  |
| 20              | QPSK       | 1       | 24        | 17.81              | 17.86               | 17.84               |                    |          |  |  |
| 20              | QPSK       | 12      | 0         | 17.62              | 17.88               | 17.87               |                    |          |  |  |
| 20              | QPSK       | 12      | 7         | 17.62              | 17.88               | 17.83               |                    |          |  |  |
| 20              | QPSK       | 12      | 13        | 17.83              | 17.71               | 17.80               |                    |          |  |  |
| 20              | QPSK       | 20      | 0         | 17.64              | 17.82               | 17.78               |                    |          |  |  |
| 20              | QPSK       | 1       | 0         | 17.59              | 17.74               | 17.73               |                    |          |  |  |
| 20              | QPSK       | 1       | 12        | 17.63              | 17.71               | 17.80               |                    |          |  |  |
| 20              | QPSK       | 1       | 24        | 17.81              | 17.86               | 17.84               |                    |          |  |  |
| 20              | QPSK       | 12      | 0         | 17.62              | 17.88               | 17.87               |                    |          |  |  |
| 20              | QPSK       | 12      | 7         | 17.62              | 17.88               | 17.83               |                    |          |  |  |
| 20              | QPSK       | 12      | 13        | 17.83              | 17.71               | 17.80               |                    |          |  |  |
| 20              | QPSK       | 20      | 0         | 17.64              | 17.82               | 17.78               |                    |          |  |  |
| 20              | QPSK       | 1       | 0         | 17.59              | 17.74               | 17.73               |                    |          |  |  |
| 20              | QPSK       | 1       | 12        | 17.63              | 17.71               | 17.80               |                    |          |  |  |
| 20              | QPSK       | 1       | 24        | 17.81              | 17.86               | 17.84               |                    |          |  |  |
| 20              | QPSK       | 12      | 0         | 17.62              | 17.88               | 17.87               |                    |          |  |  |
| 20              | QPSK       | 12      | 7         | 17.62              | 17.88               | 17                  |                    |          |  |  |

| Band 38 Ant 4   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 37650                 | 38000                    | 38150                  | Frequency (MHz)     |          |  |
|                 |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |
| 20              | QPSK       | 1       | 0         | 18.21                 | 18.26                    | 18.17                  | 19.1                | 0        |  |
| 20              | QPSK       | 1       | 49        | 18.12                 | 18.01                    | 18.22                  |                     |          |  |
| 20              | QPSK       | 1       | 99        | 18.18                 | 17.77                    | 18.11                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 18.17                 | 18.25                    | 18.14                  | 19.1                | 0        |  |
| 20              | QPSK       | 50      | 24        | 17.85                 | 17.81                    | 18.15                  |                     |          |  |
| 20              | QPSK       | 50      | 50        | 17.92                 | 17.81                    | 18.20                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 17.99                 | 18.09                    | 18.00                  | 19.1                | 0        |  |
| 20              | 16QAM      | 1       | 0         | 17.96                 | 17.91                    | 18.00                  |                     |          |  |
| 20              | 16QAM      | 1       | 49        | 17.95                 | 17.81                    | 18.03                  |                     |          |  |
| 20              | 16QAM      | 1       | 99        | 17.91                 | 18.09                    | 18.19                  | 19.1                | 0        |  |
| 20              | 16QAM      | 50      | 0         | 18.10                 | 17.81                    | 18.12                  |                     |          |  |
| 20              | 16QAM      | 50      | 24        | 17.95                 | 17.98                    | 18.12                  |                     |          |  |
| 20              | 16QAM      | 50      | 50        | 17.90                 | 17.90                    | 18.09                  | 19.1                | 0        |  |
| 20              | 16QAM      | 100     | 0         | 18.09                 | 17.96                    | 18.08                  |                     |          |  |
| 20              | 64QAM      | 1       | 0         | 17.87                 | 18.05                    | 18.10                  |                     |          |  |
| 20              | 64QAM      | 1       | 49        | 18.18                 | 17.78                    | 17.89                  | 19.1                | 0        |  |
| 20              | 64QAM      | 1       | 99        | 18.03                 | 18.01                    | 17.92                  |                     |          |  |
| 20              | 64QAM      | 50      | 0         | 18.06                 | 17.93                    | 18.15                  |                     |          |  |
| 20              | 64QAM      | 50      | 24        | 18.12                 | 17.89                    | 18.02                  | 19.1                | 0        |  |
| 20              | 64QAM      | 50      | 50        | 18.11                 | 17.94                    | 18.24                  |                     |          |  |
| 20              | 64QAM      | 100     | 0         | 18.13                 | 17.71                    | 18.16                  |                     |          |  |
| 20              | 256QAM     | 1       | 0         | 17.49                 | 17.61                    | 17.45                  | 19                  | 0.1      |  |
| 20              | 256QAM     | 1       | 49        | 17.58                 | 17.72                    | 17.37                  |                     |          |  |
| 20              | 256QAM     | 1       | 99        | 17.50                 | 17.66                    | 17.57                  |                     |          |  |
| 20              | 256QAM     | 50      | 0         | 17.36                 | 17.58                    | 17.49                  | 19                  | 0.1      |  |
| 20              | 256QAM     | 50      | 24        | 17.40                 | 17.60                    | 17.49                  |                     |          |  |
| 20              | 256QAM     | 50      | 50        | 17.55                 | 17.78                    | 17.43                  |                     |          |  |
| 20              | 256QAM     | 100     | 0         | 17.51                 | 17.72                    | 17.51                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 37625                 | 38000                    | 38175                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |  |
| 15              | QPSK       | 1       | 0         | 18.18                 | 18.08                    | 18.10                  | 19.1                | 0        |  |
| 15              | QPSK       | 1       | 37        | 17.99                 | 18.01                    | 18.09                  |                     |          |  |
| 15              | QPSK       | 1       | 74        | 18.14                 | 17.83                    | 18.16                  |                     |          |  |
| 15              | QPSK       | 36      | 0         | 17.95                 | 17.99                    | 18.18                  | 19.1                | 0        |  |
| 15              | QPSK       | 36      | 20        | 17.81                 | 17.84                    | 18.12                  |                     |          |  |
| 15              | QPSK       | 36      | 39        | 17.98                 | 17.92                    | 18.18                  |                     |          |  |
| 15              | QPSK       | 75      | 0         | 17.98                 | 17.78                    | 18.10                  | 19.1                | 0        |  |
| 15              | 16QAM      | 1       | 0         | 18.02                 | 17.98                    | 18.10                  |                     |          |  |
| 15              | 16QAM      | 1       | 37        | 18.12                 | 17.83                    | 17.99                  |                     |          |  |
| 15              | 16QAM      | 1       | 74        | 18.09                 | 17.95                    | 18.22                  | 19.1                | 0        |  |
| 15              | 16QAM      | 36      | 0         | 18.00                 | 17.92                    | 18.15                  |                     |          |  |
| 15              | 16QAM      | 36      | 20        | 17.99                 | 17.90                    | 18.19                  |                     |          |  |
| 15              | 16QAM      | 36      | 39        | 17.94                 | 17.85                    | 18.04                  | 19.1                | 0        |  |
| 15              | 16QAM      | 75      | 0         | 17.89                 | 17.92                    | 18.09                  |                     |          |  |
| 15              | 64QAM      | 1       | 0         | 17.97                 | 18.02                    | 18.19                  |                     |          |  |
| 15              | 64QAM      | 1       | 37        | 18.05                 | 17.88                    | 18.06                  | 19.1                | 0        |  |
| 15              | 64QAM      | 1       | 74        | 17.98                 | 18.00                    | 18.00                  |                     |          |  |
| 15              | 64QAM      | 36      | 0         | 17.91                 | 17.96                    | 18.17                  |                     |          |  |
| 15              | 64QAM      | 36      | 20        | 18.18                 | 17.93                    | 18.06                  | 19.1                | 0        |  |
| 15              | 64QAM      | 36      | 39        | 17.95                 | 17.96                    | 18.21                  |                     |          |  |
| 15              | 64QAM      | 75      | 0         | 18.01                 | 17.73                    | 18.05                  |                     |          |  |
| 15              | 256QAM     | 1       | 0         | 17.34                 | 17.50                    | 17.32                  | 19                  | 0.1      |  |
| 15              | 256QAM     | 1       | 37        | 17.49                 | 17.61                    | 17.36                  |                     |          |  |
| 15              | 256QAM     | 1       | 74        | 17.42                 | 17.56                    | 17.40                  |                     |          |  |
| 15              | 256QAM     | 36      | 0         | 17.44                 | 17.54                    | 17.36                  | 19                  | 0.1      |  |
| 15              | 256QAM     | 36      | 20        | 17.31                 | 17.45                    | 17.49                  |                     |          |  |
| 15              | 256QAM     | 36      | 39        | 17.49                 | 17.79                    | 17.43                  |                     |          |  |
| 15              | 256QAM     | 75      | 0         | 17.46                 | 17.72                    | 17.35                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 37600                 | 38000                    | 38200                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |
| 10              | QPSK       | 1       | 0         | 18.12                 | 17.99                    | 18.22                  | 19.1                | 0        |  |
| 10              | QPSK       | 1       | 25        | 18.02                 | 18.19                    | 18.24                  |                     |          |  |
| 10              | QPSK       | 1       | 49        | 18.10                 | 18.06                    | 18.25                  |                     |          |  |
| 10              | QPSK       | 25      | 0         | 18.10                 | 17.93                    | 18.13                  | 19.1                | 0        |  |
| 10              | QPSK       | 25      | 12        | 17.92                 | 17.91                    | 18.13                  |                     |          |  |
| 10              | QPSK       | 25      | 25        | 17.96                 | 17.85                    | 18.11                  |                     |          |  |
| 10              | QPSK       | 50      | 0         | 17.97                 | 17.96                    | 18.18                  | 19.1                | 0        |  |
| 10              | 16QAM      | 1       | 0         | 17.85                 | 17.94                    | 18.00                  |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 17.98                 | 17.81                    | 17.97                  |                     |          |  |
| 10              | 16QAM      | 1       | 49        | 17.90                 | 18.01                    | 18.10                  | 19.1                | 0        |  |
| 10              | 16QAM      | 25      | 0         | 17.97                 | 17.80                    | 18.02                  |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 18.02                 | 17.87                    | 18.10                  |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 17.90                 | 17.83                    | 18.05                  | 19.1                | 0        |  |
| 10              | 16QAM      | 50      | 0         | 18.05                 | 17.88                    | 18.24                  |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 17.86                 | 17.80                    | 18.07                  |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 18.08                 | 17.72                    | 18.06                  | 19.1                | 0        |  |
| 10              | 64QAM      | 1       | 49        | 17.85                 | 17.94                    | 17.97                  |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 17.85                 | 17.91                    | 18.10                  |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 18.02                 | 18.05                    | 18.21                  | 19.1                | 0        |  |
| 10              | 64QAM      | 25      | 25        | 17.99                 | 17.89                    | 18.11                  |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 17.99                 | 17.83                    | 18.08                  |                     |          |  |
| 10              | 256QAM     | 1       | 0         | 17.39                 | 17.42                    | 17.26                  | 19                  | 0.1      |  |
| 10              | 256QAM     | 1       | 25        | 17.43                 | 17.71                    | 17.30                  |                     |          |  |
| 10              | 256QAM     | 1       | 49        | 17.48                 | 17.52                    | 17.47                  |                     |          |  |
| 10              | 256QAM     | 25      | 0         | 17.38                 | 17.60                    | 17.37                  | 19                  | 0.1      |  |
| 10              | 256QAM     | 25      | 12        | 17.21                 | 17.57                    | 17.38                  |                     |          |  |
| 10              | 256QAM     | 25      | 25        | 17.52                 | 17.68                    | 17.34                  |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 17.48                 | 17.70                    | 17.35                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 37775                 | 38000                    | 38225                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2592.5                | 2595                     | 2617.5                 |                     |          |  |
| 5               | QPSK       | 1       | 0         | 18.03                 | 17.97                    | 18.22                  | 19.1                | 0        |  |
| 5               | QPSK       | 1       | 12        | 18.12                 | 18.01                    | 18.16                  |                     |          |  |
| 5               | QPSK       | 1       | 24        | 18.07                 | 17.87                    | 18.18                  |                     |          |  |
| 5               | QPSK       | 12      | 0         | 17.91                 | 17.91                    | 18.20                  | 19.1                | 0        |  |
| 5               | QPSK       | 12      | 7         | 17.89                 | 17.86                    | 18.07                  |                     |          |  |
| 5               | QPSK       | 12      | 13        | 17.96                 | 17.77                    | 18.20                  |                     |          |  |
| 5               | QPSK       | 25      | 0         | 18.05                 | 17.77                    | 18.01                  | 19.1                | 0        |  |
| 5               | 16QAM      | 1       | 0         | 17.91                 | 18.04                    | 17.95                  |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 18.17                 | 17.79                    | 17.94                  |                     |          |  |
| 5               | 16QAM      | 1       | 24        | 18.00                 | 18.11                    | 18.23                  | 19.1                | 0        |  |
| 5               | 16QAM      | 12      | 0         | 18.10                 | 17.86                    | 18.05                  |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 17.86                 | 18.06                    | 18.23                  |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 17.86                 | 17.89                    | 18.08                  | 19.1                | 0        |  |
| 5               | 16QAM      | 25      | 0         | 18.04                 | 18.04                    | 18.18                  |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 17.84                 | 18.06                    | 18.23                  |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 18.25                 | 17.81                    | 17.94                  | 19.1                | 0        |  |
| 5               | 64QAM      | 1       | 24        | 17.87                 | 17.96                    | 18.08                  |                     |          |  |
| 5               | 64QAM      | 12      | 0         | 17.99                 | 18.00                    | 18.17                  |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 18.07                 | 18.03                    | 18.21                  | 19.1                | 0        |  |
| 5               | 64QAM      | 12      | 13        | 17.99                 | 18.00                    | 18.19                  |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 18.01                 | 17.83                    | 17.97                  |                     |          |  |
| 5               | 256QAM     | 1       | 0         | 17.27                 | 17.59                    | 17.47                  | 19                  | 0.1      |  |
| 5               | 256QAM     | 1       | 12        | 17.52                 | 17.62                    | 17.28                  |                     |          |  |
| 5               | 256QAM     | 1       | 24        | 17.38                 | 17.45                    | 17.57                  |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 17.35                 | 17.42                    | 17.50                  | 19                  | 0.1      |  |
| 5               | 256QAM     | 12      | 7         | 17.27                 | 17.57                    | 17.40                  |                     |          |  |
| 5               | 256QAM     | 12      | 13        | 17.35                 | 17.67                    | 17.30                  |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 17.38                 | 17.57                    | 17.47                  |                     |          |  |

| Band 41 Ant 4 |            |         |           |                                                                                                             |                                                                                               |                                                                                 |                                                                   |                                                      |                     |          |
|---------------|------------|---------|-----------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------|---------------------|----------|
| BW [MHz]      | Modulation | RB Size | RB Offset | Power Low Ch. / Freq.                                                                                       | Power Low Middle Ch. / Freq.                                                                  | Power Middle Ch. / Freq.                                                        | Power High Middle Ch. / Freq.                                     | Power High Ch. / Freq.                               | Tune-up limit (dBm) | MPR (dB) |
| Channel       |            |         |           | 39750                                                                                                       | 40185                                                                                         | 40620                                                                           | 41055                                                             | 41490                                                | Frequency (MHz)     |          |
|               |            |         |           | 2506                                                                                                        | 2549.5                                                                                        | 2593                                                                            | 2636.5                                                            | 2680                                                 |                     |          |
| 20            | QPSK       | 1       | 0         | 18.23                                                                                                       | 18.25                                                                                         | 18.32                                                                           | 18.27                                                             | 18.31                                                | 19.1                | 0        |
| 20            | QPSK       | 1       | 49        | 18.17                                                                                                       | 18.04                                                                                         | 18.28                                                                           | 18.01                                                             | 18.12                                                |                     |          |
| 20            | QPSK       | 1       | 99        | 18.19                                                                                                       | 17.91                                                                                         | 18.23                                                                           | 18.12                                                             | 18.13                                                |                     |          |
| 20            | QPSK       | 50      | 0         | 18.21                                                                                                       | 18.23                                                                                         | 18.28                                                                           | 18.19                                                             | 18.21                                                |                     |          |
| 20            | QPSK       | 50      | 24        | 18.03                                                                                                       | 17.97                                                                                         | 18.04                                                                           | 18.13                                                             | 18.20                                                | 19.1                | 0        |
| 20            | QPSK       | 50      | 50        | 18.09                                                                                                       | 17.93                                                                                         | 18.05                                                                           | 18.11                                                             | 18.09                                                |                     |          |
| 20            | QPSK       | 100     | 0         | 18.07                                                                                                       | 18.12                                                                                         | 18.22                                                                           | 18.07                                                             | 18.13                                                |                     |          |
| 20            | 16QAM      | 1       | 0         | 18.07                                                                                                       | 18.04                                                                                         | 18.16                                                                           | 17.96                                                             | 18.21                                                |                     |          |
| 20            | 16QAM      | 1       | 49        | 18.16                                                                                                       | 18.01                                                                                         | 18.16                                                                           | 18.02                                                             | 18.27                                                | 19.1                | 0        |
| 20            | 16QAM      | 1       | 99        | 18.12                                                                                                       | 18.11                                                                                         | 18.25                                                                           | 17.99                                                             | 18.25                                                |                     |          |
| 20            | 16QAM      | 50      | 0         | 18.15                                                                                                       | 17.96                                                                                         | 18.15                                                                           | 18.10                                                             | 18.10                                                |                     |          |
| 20            | 16QAM      | 50      | 24        | 18.08                                                                                                       | 18.05                                                                                         | 18.29                                                                           | 18.03                                                             | 18.18                                                |                     |          |
| 20            | 16QAM      | 50      | 50        | 18.03                                                                                                       | 18.02                                                                                         | 18.18                                                                           | 18.02                                                             | 18.19                                                | 19.1                | 0        |
| 20            | 16QAM      | 100     | 0         | 18.09                                                                                                       | 18.03                                                                                         | 18.28                                                                           | 18.04                                                             | 18.11                                                |                     |          |
| 20            | 64QAM      | 1       | 0         | 18.05                                                                                                       | 18.11                                                                                         | 18.23                                                                           | 18.18                                                             | 18.15                                                |                     |          |
| 20            | 64QAM      | 1       | 49        | 18.24                                                                                                       | 17.92                                                                                         | 18.11                                                                           | 18.08                                                             | 18.27                                                |                     |          |
| 20            | 64QAM      | 1       | 99        | 18.06                                                                                                       | 18.05                                                                                         | 18.12                                                                           | 18.06                                                             | 18.15                                                | 19.1                | 0        |
| 20            | 64QAM      | 50      | 0         | 18.04                                                                                                       | 18.05                                                                                         | 18.20                                                                           | 18.17                                                             | 18.15                                                |                     |          |
| 20            | 64QAM      | 50      | 24        | 18.21                                                                                                       | 18.08                                                                                         | 18.22                                                                           | 18.08                                                             | 18.28                                                |                     |          |
| 20            | 64QAM      | 50      | 50        | 18.10                                                                                                       | 18.03                                                                                         | 18.29                                                                           | 17.97                                                             | 18.31                                                |                     |          |
| 20            | 64QAM      | 100     | 0         | 18.14                                                                                                       | 17.92                                                                                         | 18.18                                                                           | 18.17                                                             | 18.17                                                | 19                  | 0.1      |
| 20            | 256QAM     | 1       | 0         | 17.50                                                                                                       | 17.44                                                                                         | 17.51                                                                           | 17.54                                                             | 17.51                                                |                     |          |
| 20            | 256QAM     | 1       | 49        | 17.47                                                                                                       | 17.44                                                                                         | 17.59                                                                           | 17.54                                                             | 17.52                                                |                     |          |
| 20            | 256QAM     | 1       | 99        | 17.49                                                                                                       | 17.42                                                                                         | 17.56                                                                           | 17.54                                                             | 17.47                                                |                     |          |
| 20            | 256QAM     | 50      | 0         | 17.48                                                                                                       | 17.39                                                                                         | 17.58                                                                           | 17.56                                                             | 17.47                                                | 19                  | 0.1      |
| 20            | 256QAM     | 50      | 24        | 17.46                                                                                                       | 17.23                                                                                         | 17.66                                                                           | 17.58                                                             | 17.44                                                |                     |          |
| 20            | 256QAM     | 50      | 50        | 17.57                                                                                                       | 17.36                                                                                         | 17.50                                                                           | 17.48                                                             | 17.44                                                |                     |          |
| 20            | 256QAM     | 100     | 0         | 17.57                                                                                                       | 17.38                                                                                         | 17.65                                                                           | 17.43                                                             | 17.41                                                |                     |          |
| Channel       |            |         |           | 39725 <th>40153<th>40620<th>41058<th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th></th> | 40153 <th>40620<th>41058<th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th> | 40620 <th>41058<th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th> | 41058 <th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th> | 41515 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> | Tune-up limit (dBm) | MPR (dB) |
|               |            |         |           | 2503.5                                                                                                      | 2548.3                                                                                        | 2593                                                                            | 2637.8                                                            | 2682.5                                               |                     |          |
| 15            | QPSK       | 1       | 0         | 18.22                                                                                                       | 17.94                                                                                         | 18.25                                                                           | 18.17                                                             | 18.13                                                | 19                  | 0        |
| 15            | QPSK       | 1       | 37        | 18.05                                                                                                       | 17.83                                                                                         | 18.18                                                                           | 17.97                                                             | 18.07                                                |                     |          |
| 15            | QPSK       | 1       | 74        | 18.12                                                                                                       | 17.83                                                                                         | 18.07                                                                           | 17.90                                                             | 18.05                                                |                     |          |
| 15            | QPSK       | 36      | 0         | 17.91                                                                                                       | 17.98                                                                                         | 18.03                                                                           | 17.92                                                             | 18.04                                                |                     |          |
| 15            | QPSK       | 36      | 20        | 17.98                                                                                                       | 17.78                                                                                         | 18.25                                                                           | 18.13                                                             | 18.01                                                | 19.1                | 0        |
| 15            | QPSK       | 36      | 39        | 18.07                                                                                                       | 17.88                                                                                         | 18.17                                                                           | 18.09                                                             | 18.00                                                |                     |          |
| 15            | QPSK       | 75      | 0         | 17.90                                                                                                       | 17.98                                                                                         | 18.21                                                                           | 18.01                                                             | 18.05                                                |                     |          |
| 15            | 16QAM      | 1       | 0         | 17.52                                                                                                       | 17.86                                                                                         | 18.08                                                                           | 17.90                                                             | 18.20                                                |                     |          |
| 15            | 16QAM      | 1       | 37        | 18.04                                                                                                       | 17.84                                                                                         | 18.15                                                                           | 17.91                                                             | 18.23                                                | 19.1                | 0        |
| 15            | 16QAM      | 1       | 74        | 17.94                                                                                                       | 18.11                                                                                         | 18.12                                                                           | 17.82                                                             | 18.19                                                |                     |          |
| 15            | 16QAM      | 36      | 0         | 18.16                                                                                                       | 17.84                                                                                         | 18.00                                                                           | 17.93                                                             | 18.03                                                |                     |          |
| 15            | 16QAM      | 36      | 20        | 18.08                                                                                                       | 18.02                                                                                         | 18.17                                                                           | 17.87                                                             | 18.10                                                |                     |          |
| 15            | 16QAM      | 36      | 39        | 18.02                                                                                                       | 18.01                                                                                         | 18.20                                                                           | 17.81                                                             | 18.00                                                | 19.1                | 0        |
| 15            | 16QAM      | 75      | 0         | 18.03                                                                                                       | 17.85                                                                                         | 18.08                                                                           | 18.03                                                             | 17.85                                                |                     |          |
| 15            | 64QAM      | 1       | 0         | 18.04                                                                                                       | 17.95                                                                                         | 18.17                                                                           | 18.00                                                             | 17.95                                                |                     |          |
| 15            | 64QAM      | 1       | 37        | 18.06                                                                                                       | 17.93                                                                                         | 18.00                                                                           | 17.88                                                             | 18.22                                                |                     |          |
| 15            | 64QAM      | 1       | 74        | 17.96                                                                                                       | 17.85                                                                                         | 18.00                                                                           | 18.02                                                             | 18.09                                                | 19.1                | 0        |
| 15            | 64QAM      | 36      | 0         | 17.92                                                                                                       | 18.02                                                                                         | 18.00                                                                           | 18.06                                                             | 17.94                                                |                     |          |
| 15            | 64QAM      | 36      | 20        | 18.05                                                                                                       | 18.07                                                                                         | 18.08                                                                           | 17.88                                                             | 18.16                                                |                     |          |
| 15            | 64QAM      | 36      | 39        | 18.06                                                                                                       | 17.84                                                                                         | 18.29                                                                           | 17.86                                                             | 18.12                                                |                     |          |
| 15            | 64QAM      | 75      | 0         | 17.97                                                                                                       | 17.73                                                                                         | 18.09                                                                           | 18.12                                                             | 18.08                                                | 19.1                | 0        |
| 15            | 256QAM     | 1       | 0         | 17.33                                                                                                       | 17.37                                                                                         | 17.41                                                                           | 17.43                                                             | 17.38                                                |                     |          |
| 15            | 256QAM     | 1       | 37        | 17.27                                                                                                       | 17.44                                                                                         | 17.42                                                                           | 17.36                                                             | 17.43                                                |                     |          |
| 15            | 256QAM     | 1       | 74        | 17.50                                                                                                       | 17.41                                                                                         | 17.39                                                                           | 17.56                                                             | 17.45                                                |                     |          |
| 15            | 256QAM     | 36      | 0         | 17.45                                                                                                       | 17.38                                                                                         | 17.57                                                                           | 17.57                                                             | 17.45                                                | 19                  | 0.1      |
| 15            | 256QAM     | 36      | 20        | 17.34                                                                                                       | 17.10                                                                                         | 17.45                                                                           | 17.53                                                             | 17.40                                                |                     |          |
| 15            | 256QAM     | 36      | 39        | 17.40                                                                                                       | 17.23                                                                                         | 17.29                                                                           | 17.31                                                             | 17.35                                                |                     |          |
| 15            | 256QAM     | 75      | 0         | 17.58                                                                                                       | 17.23                                                                                         | 17.44                                                                           | 17.30                                                             | 17.27                                                |                     |          |
| Channel       |            |         |           | 39700 <th>40160<th>40620<th>41080<th>41540<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th></th> | 40160 <th>40620<th>41080<th>41540<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th> | 40620 <th>41080<th>41540<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th> | 41080 <th>41540<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th> | 41540 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> | Tune-up limit (dBm) | MPR (dB) |
|               |            |         |           | 2501                                                                                                        | 2547                                                                                          | 2593                                                                            | 2639                                                              | 2685                                                 |                     |          |
| 10            | QPSK       | 1       | 0         | 18.20                                                                                                       | 17.95                                                                                         | 18.20                                                                           | 17.96                                                             | 18.10                                                | 19.1                | 0        |
| 10            | QPSK       | 1       | 25        | 18.13                                                                                                       | 17.92                                                                                         | 18.29                                                                           | 17.84                                                             | 17.93                                                |                     |          |
| 10            | QPSK       | 1       | 49        | 18.14                                                                                                       | 17.86                                                                                         | 18.18                                                                           | 17.95                                                             | 18.08                                                |                     |          |
| 10            | QPSK       | 25      | 0         | 17.92                                                                                                       | 17.91                                                                                         | 18.08                                                                           | 17.98                                                             | 18.13                                                |                     |          |
| 10            | QPSK       | 25      | 12        | 17.83                                                                                                       | 17.88                                                                                         | 18.22                                                                           | 18.00                                                             | 18.16                                                | 19.1                | 0        |
| 10            | QPSK       | 25      | 25        | 17.88                                                                                                       | 17.93                                                                                         | 18.23                                                                           | 18.06                                                             | 17.98                                                |                     |          |
| 10            | QPSK       | 50      | 0         | 17.90                                                                                                       | 17.98                                                                                         | 18.06                                                                           | 17.86                                                             | 18.07                                                |                     |          |
| 10            | 16QAM      | 1       | 0         | 18.00                                                                                                       | 17.89                                                                                         | 18.09                                                                           | 17.91                                                             | 18.30                                                |                     |          |
| 10            | 16QAM      | 1       | 25        | 18.00                                                                                                       | 18.02                                                                                         | 18.07                                                                           | 17.90                                                             | 18.05                                                | 19.1                | 0        |
| 10            | 16QAM      | 1       | 49        | 17.99                                                                                                       | 17.92                                                                                         | 18.27                                                                           | 17.90                                                             | 18.15                                                |                     |          |
| 10            | 16QAM      | 25      | 0         | 17.99                                                                                                       | 17.77                                                                                         | 18.13                                                                           | 18.04                                                             | 18.08                                                |                     |          |
| 10            | 16QAM      | 25      | 12        | 17.88                                                                                                       | 17.93                                                                                         | 18.20                                                                           | 17.95                                                             | 17.91                                                |                     |          |
| 10            | 16QAM      | 25      | 25        | 17.98                                                                                                       | 17.88                                                                                         | 18.07                                                                           | 17.81                                                             | 17.99                                                | 19.1                | 0        |
| 10            | 16QAM      | 50      | 0         | 17.97                                                                                                       | 17.91                                                                                         | 18.20                                                                           | 17.83                                                             | 18.16                                                |                     |          |
| 10            | 64QAM      | 1       | 0         | 17.92                                                                                                       | 18.02                                                                                         | 18.21                                                                           | 17.99                                                             | 18.16                                                |                     |          |
| 10            | 64QAM      | 1       | 25        | 18.20                                                                                                       | 17.83                                                                                         | 18.13                                                                           | 17.95                                                             | 18.18                                                |                     |          |
| 10            | 64QAM      | 1       | 49        | 18.02                                                                                                       | 17.96                                                                                         | 17.88                                                                           | 17.85                                                             | 18.08                                                | 19.1                | 0        |
| 10            | 64QAM      | 1       | 24        | 17.83                                                                                                       | 17.91                                                                                         | 18.18                                                                           | 18.15                                                             | 17.95                                                |                     |          |
| 10            | 64QAM      | 25      | 12        | 18.08                                                                                                       | 17.93                                                                                         | 18.11                                                                           | 18.05                                                             | 18.29                                                |                     |          |
| 10            | 64QAM      | 25      | 25        | 17.98                                                                                                       | 17.84                                                                                         | 18.17                                                                           | 17.85                                                             | 18.19                                                |                     |          |
| 10            | 64QAM      | 50      | 0         | 18.06                                                                                                       | 17.87                                                                                         | 17.88                                                                           | 17.97                                                             | 18.08                                                | 19                  | 0.1      |
| 10            | 256QAM     | 1       | 0         | 17.31                                                                                                       | 17.40                                                                                         | 17.38                                                                           | 17.44                                                             | 17.47                                                |                     |          |
| 10            | 256QAM     | 1       | 25        | 17.33                                                                                                       | 17.30                                                                                         | 17.46                                                                           | 17.51                                                             | 17.43                                                |                     |          |
| 10            | 256QAM     | 1       | 49        | 17.32                                                                                                       | 17.38                                                                                         | 17.38                                                                           | 17.53                                                             | 17.34                                                |                     |          |
| 10            | 256QAM     | 25      | 0         | 17.30                                                                                                       | 17.37                                                                                         | 17.56                                                                           | 17.40                                                             | 17.38                                                | 19                  | 0.1      |
| 10            | 256QAM     | 25      | 12        | 17.32                                                                                                       | 17.08                                                                                         | 17.54                                                                           | 17.51                                                             | 17.40                                                |                     |          |
| 10            | 256QAM     | 25      | 25        | 17.35                                                                                                       | 17.21                                                                                         | 17.51                                                                           | 17.28                                                             | 17.40                                                |                     |          |
| 10            | 256QAM     | 50      | 0         | 17.55                                                                                                       | 17.19                                                                                         | 17.57                                                                           | 17.32                                                             | 17.38                                                |                     |          |
| Channel       |            |         |           | 39675                                                                                                       | 40143                                                                                         | 40620                                                                           | 41053                                                             | 41515 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> | Tune-up limit (dBm) | MPR (dB) |
|               |            |         |           | 2498.5                                                                                                      | 2545.8                                                                                        | 2593                                                                            | 2640.30                                                           | 2687.5 <td></td> <td></td>                           |                     |          |
| 5             | QPSK       | 1       | 0         | 18.17                                                                                                       | 18.02                                                                                         | 18.28                                                                           | 18.01                                                             | 18.12                                                | 19                  | 0        |
| 5             | QPSK       | 1       | 12        | 18.03                                                                                                       | 18.00                                                                                         | 18.07                                                                           | 17.80                                                             | 18.09                                                |                     |          |
| 5             | QPSK       | 1       | 24        | 18.21                                                                                                       | 17.85                                                                                         | 18.07                                                                           | 18.03                                                             | 18.05                                                |                     |          |
| 5             | QPSK       | 12      | 0         | 17.95                                                                                                       | 17.98                                                                                         | 18.22                                                                           | 17.94                                                             | 18.09                                                |                     |          |
| 5             | QPSK       | 12      | 7         | 17.82                                                                                                       | 17.85                                                                                         | 18.25                                                                           | 17.92                                                             | 18.12                                                | 19.1                | 0        |
| 5             | QPSK       | 12      | 13        | 17.97                                                                                                       | 17.80                                                                                         | 18.17                                                                           | 18.04                                                             | 17.98                                                |                     |          |
| 5             | QPSK       | 25      | 0         | 18.00                                                                                                       | 17.81                                                                                         | 18.08                                                                           | 18.01                                                             | 18.11                                                |                     |          |
| 5             | 16QAM      | 1       | 0         | 18.08                                                                                                       | 17.98                                                                                         | 18.17                                                                           | 17.88                                                             | 18.28                                                |                     |          |
| 5             | 16QAM      | 1       | 12        | 18.17                                                                                                       | 17.90                                                                                         | 17.98                                                                           | 17.96                                                             | 18.10                                                | 19.1                | 0        |
| 5             | 16QAM      | 1       | 24        | 18.10                                                                                                       | 17.94                                                                                         | 18.27                                                                           | 17.96                                                             | 18.25                                                |                     |          |
| 5             | 16QAM      | 12      | 0         | 18.01                                                                                                       | 17.78                                                                                         | 18.05                                                                           | 17.97                                                             | 17.99                                                |                     |          |
| 5             | 16QAM      | 12      | 7         | 17.99                                                                                                       | 17.94                                                                                         | 18.28                                                                           | 18.01                                                             | 17.97                                                |                     |          |
| 5             | 16QAM      | 12      | 13        | 17.90                                                                                                       | 17.95                                                                                         | 18.11                                                                           | 17.81                                                             | 18.01                                                | 19.1                | 0        |
| 5             | 16QAM      | 25      | 0         | 18.07                                                                                                       | 17.83                                                                                         | 18.25                                                                           | 17.99                                                             | 18.19                                                |                     |          |
| 5             | 64QAM      | 1       | 0         | 17.99                                                                                                       | 17.93                                                                                         | 18.16                                                                           | 18.04                                                             | 18.02                                                |                     |          |
| 5             | 64QAM      | 1       | 12        | 18.12                                                                                                       | 17.75                                                                                         | 18.09                                                                           | 17.97                                                             | 18.38                                                |                     |          |
| 5             | 64QAM      | 1       | 24        | 17.86                                                                                                       | 17.85                                                                                         | 17.99                                                                           | 17.86                                                             | 18.15                                                | 19.1                | 0        |
| 5             | 64QAM      | 12      | 0         | 17.90                                                                                                       | 18.07                                                                                         | 18.07                                                                           | 18.10                                                             | 18.14                                                |                     |          |
| 5             | 64QAM      | 12      | 7         | 18.18                                                                                                       | 17.97                                                                                         | 18.15                                                                           | 18.06                                                             | 18.12                                                |                     |          |
| 5             | 64QAM      | 12      | 13        | 18.03                                                                                                       | 17.97                                                                                         | 18.22                                                                           | 17.90                                                             | 18.16                                                |                     |          |
| 5             | 64QAM      | 25      | 0         | 18.05                                                                                                       | 17.94                                                                                         | 18.01                                                                           | 18.09                                                             | 17.95                                                | 19                  | 0.1      |
| 5             | 17QAM      | 1       | 0         | 17.28                                                                                                       | 17.44                                                                                         | 17.34                                                                           | 17.56                                                             | 17.38                                                |                     |          |
| 5             | 256QAM     | 1       | 12        | 17.35                                                                                                       | 17.38                                                                                         | 17.48                                                                           | 17.41                                                             | 17.50                                                |                     |          |
| 5             | 256QAM     | 1       | 24        | 17.48                                                                                                       | 17.36                                                                                         | 17.56                                                                           | 17.37                                                             | 17.33                                                |                     |          |
| 5             | 256QAM     | 12      | 0         | 17.31                                                                                                       | 17.18                                                                                         | 17.39                                                                           | 17.42                                                             | 17.34                                                | 19                  | 0.1      |
| 5             | 256QAM     | 12      | 7         | 17.44                                                                                                       | 17.28                                                                                         | 17.48                                                                           | 17.41                                                             | 17.34                                                |                     |          |
| 5             | 256QAM     | 12      | 13        | 17.53                                                                                                       | 17.24                                                                                         | 17.39                                                                           | 17.39                                                             | 17.45                                                |                     |          |
| 5             | 256QAM     | 25      | 0         | 17.37                                                                                                       | 17.28                                                                                         | 17.58                                                                           | 17.38                                                             | 17.31                                                |                     |          |

| Band 42 FCC Part27Q Ant 5 |            |         |           |                           |                              |                            |                        |             |  |
|---------------------------|------------|---------|-----------|---------------------------|------------------------------|----------------------------|------------------------|-------------|--|
| BW [MHz]                  | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch / Freq | Power<br>Middle<br>Ch / Freq | Power<br>High<br>Ch / Freq | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                   |            |         |           | 42190                     | 42590                        | 42990                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)           |            |         |           | 3460                      | 3500                         | 3540                       |                        |             |  |
| 20                        | QPSK       | 1       | 0         | 17.31                     | 17.37                        | 17.28                      | 18.1                   | 0           |  |
| 20                        | QPSK       | 1       | 49        | 17.33                     | 17.34                        | 17.06                      |                        |             |  |
| 20                        | QPSK       | 1       | 99        | 17.18                     | 17.17                        | 17.24                      |                        |             |  |
| 20                        | QPSK       | 50      | 0         | 17.28                     | 17.32                        | 17.29                      | 18.1                   | 0           |  |
| 20                        | QPSK       | 50      | 24        | 17.09                     | 17.31                        | 17.16                      |                        |             |  |
| 20                        | QPSK       | 50      | 50        | 17.26                     | 17.19                        | 17.08                      |                        |             |  |
| 20                        | QPSK       | 100     | 0         | 17.21                     | 17.24                        | 17.19                      | 18.1                   | 0           |  |
| 20                        | 16QAM      | 1       | 0         | 17.23                     | 17.32                        | 17.16                      |                        |             |  |
| 20                        | 16QAM      | 1       | 49        | 17.19                     | 17.33                        | 17.05                      |                        |             |  |
| 20                        | 16QAM      | 1       | 99        | 17.29                     | 17.34                        | 17.15                      | 18.1                   | 0           |  |
| 20                        | 16QAM      | 50      | 0         | 17.31                     | 17.33                        | 17.17                      |                        |             |  |
| 20                        | 16QAM      | 50      | 24        | 17.26                     | 17.32                        | 17.07                      |                        |             |  |
| 20                        | 16QAM      | 50      | 50        | 17.30                     | 17.24                        | 17.09                      | 18.1                   | 0           |  |
| 20                        | 16QAM      | 100     | 0         | 17.20                     | 17.31                        | 17.20                      |                        |             |  |
| 20                        | 64QAM      | 1       | 0         | 17.15                     | 17.17                        | 17.01                      |                        |             |  |
| 20                        | 64QAM      | 1       | 49        | 17.19                     | 17.28                        | 17.18                      | 18.1                   | 0           |  |
| 20                        | 64QAM      | 1       | 99        | 17.28                     | 17.21                        | 17.13                      |                        |             |  |
| 20                        | 64QAM      | 50      | 0         | 17.16                     | 17.26                        | 17.11                      |                        |             |  |
| 20                        | 64QAM      | 50      | 24        | 17.30                     | 17.23                        | 17.10                      | 18.1                   | 0           |  |
| 20                        | 64QAM      | 50      | 50        | 17.29                     | 17.36                        | 17.25                      |                        |             |  |
| 20                        | 64QAM      | 100     | 0         | 17.23                     | 17.20                        | 17.04                      |                        |             |  |
| 20                        | 256QAM     | 1       | 0         | 17.17                     | 17.20                        | 17.05                      | 18.1                   | 0           |  |
| 20                        | 256QAM     | 1       | 49        | 17.26                     | 17.22                        | 17.19                      |                        |             |  |
| 20                        | 256QAM     | 1       | 99        | 17.12                     | 17.29                        | 17.03                      |                        |             |  |
| 20                        | 256QAM     | 50      | 0         | 17.24                     | 17.19                        | 17.24                      | 18.1                   | 0           |  |
| 20                        | 256QAM     | 50      | 24        | 17.16                     | 17.22                        | 17.18                      |                        |             |  |
| 20                        | 256QAM     | 50      | 50        | 17.15                     | 17.20                        | 17.03                      |                        |             |  |
| 20                        | 256QAM     | 100     | 0         | 17.17                     | 17.24                        | 17.13                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                   |            |         |           | 42165                     | 42590                        | 43015                      |                        |             |  |
| Frequency (MHz)           |            |         |           | 3457.5                    | 3500                         | 3542.5                     |                        |             |  |
| 15                        | QPSK       | 1       | 0         | 17.15                     | 17.23                        | 17.07                      | 18.1                   | 0           |  |
| 15                        | QPSK       | 1       | 37        | 17.26                     | 17.24                        | 16.95                      |                        |             |  |
| 15                        | QPSK       | 1       | 74        | 17.14                     | 17.14                        | 17.19                      |                        |             |  |
| 15                        | QPSK       | 36      | 0         | 16.94                     | 17.19                        | 16.94                      | 18.1                   | 0           |  |
| 15                        | QPSK       | 36      | 20        | 17.07                     | 17.34                        | 17.14                      |                        |             |  |
| 15                        | QPSK       | 36      | 39        | 17.06                     | 17.08                        | 16.99                      |                        |             |  |
| 15                        | QPSK       | 75      | 0         | 17.11                     | 17.05                        | 17.19                      | 18.1                   | 0           |  |
| 15                        | 16QAM      | 1       | 0         | 17.24                     | 17.10                        | 17.14                      |                        |             |  |
| 15                        | 16QAM      | 1       | 37        | 17.13                     | 17.16                        | 16.93                      |                        |             |  |
| 15                        | 16QAM      | 1       | 74        | 17.19                     | 17.29                        | 17.00                      | 18.1                   | 0           |  |
| 15                        | 16QAM      | 36      | 0         | 17.14                     | 17.24                        | 17.11                      |                        |             |  |
| 15                        | 16QAM      | 36      | 20        | 17.10                     | 17.18                        | 17.05                      |                        |             |  |
| 15                        | 16QAM      | 36      | 39        | 17.09                     | 17.15                        | 17.03                      | 18.1                   | 0           |  |
| 15                        | 16QAM      | 75      | 0         | 17.16                     | 17.32                        | 17.07                      |                        |             |  |
| 15                        | 64QAM      | 1       | 0         | 17.14                     | 17.11                        | 17.00                      |                        |             |  |
| 15                        | 64QAM      | 1       | 37        | 17.12                     | 17.06                        | 17.15                      | 18.1                   | 0           |  |
| 15                        | 64QAM      | 1       | 74        | 17.20                     | 17.09                        | 16.98                      |                        |             |  |
| 15                        | 64QAM      | 36      | 0         | 17.16                     | 17.28                        | 17.12                      |                        |             |  |
| 15                        | 64QAM      | 36      | 20        | 17.13                     | 17.18                        | 17.09                      | 18.1                   | 0           |  |
| 15                        | 64QAM      | 36      | 39        | 17.27                     | 17.31                        | 17.12                      |                        |             |  |
| 15                        | 64QAM      | 75      | 0         | 17.05                     | 17.07                        | 16.84                      |                        |             |  |
| 15                        | 256QAM     | 1       | 0         | 17.06                     | 17.15                        | 16.85                      | 18.1                   | 0           |  |
| 15                        | 256QAM     | 1       | 37        | 17.05                     | 17.13                        | 17.01                      |                        |             |  |
| 15                        | 256QAM     | 1       | 74        | 17.03                     | 17.11                        | 16.90                      |                        |             |  |
| 15                        | 256QAM     | 36      | 0         | 17.09                     | 17.06                        | 17.08                      | 18.1                   | 0           |  |
| 15                        | 256QAM     | 36      | 20        | 17.00                     | 17.16                        | 17.06                      |                        |             |  |
| 15                        | 256QAM     | 36      | 39        | 17.13                     | 17.26                        | 16.99                      |                        |             |  |
| 15                        | 256QAM     | 75      | 0         | 16.97                     | 17.15                        | 16.97                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                   |            |         |           | 42140                     | 42590                        | 43040                      |                        |             |  |
| Frequency (MHz)           |            |         |           | 3455                      | 3500                         | 3545                       |                        |             |  |
| 10                        | QPSK       | 1       | 0         | 17.20                     | 17.29                        | 17.07                      | 18.1                   | 0           |  |
| 10                        | QPSK       | 1       | 25        | 17.19                     | 17.23                        | 17.08                      |                        |             |  |
| 10                        | QPSK       | 1       | 49        | 17.02                     | 17.04                        | 17.16                      |                        |             |  |
| 10                        | QPSK       | 25      | 0         | 17.04                     | 17.05                        | 16.95                      | 18.1                   | 0           |  |
| 10                        | QPSK       | 25      | 12        | 17.05                     | 17.30                        | 17.02                      |                        |             |  |
| 10                        | QPSK       | 25      | 25        | 17.25                     | 17.15                        | 16.98                      |                        |             |  |
| 10                        | QPSK       | 50      | 0         | 16.98                     | 17.07                        | 17.04                      | 18.1                   | 0           |  |
| 10                        | 16QAM      | 1       | 0         | 17.08                     | 17.13                        | 17.07                      |                        |             |  |
| 10                        | 16QAM      | 1       | 25        | 16.98                     | 17.28                        | 16.97                      |                        |             |  |
| 10                        | 16QAM      | 1       | 49        | 17.17                     | 17.13                        | 17.09                      | 18.1                   | 0           |  |
| 10                        | 16QAM      | 25      | 0         | 17.33                     | 17.24                        | 17.02                      |                        |             |  |
| 10                        | 16QAM      | 25      | 12        | 17.19                     | 17.20                        | 17.05                      |                        |             |  |
| 10                        | 16QAM      | 25      | 25        | 17.17                     | 17.08                        | 16.95                      | 18.1                   | 0           |  |
| 10                        | 16QAM      | 50      | 0         | 16.99                     | 17.30                        | 17.11                      |                        |             |  |
| 10                        | 64QAM      | 1       | 0         | 17.09                     | 17.01                        | 16.87                      |                        |             |  |
| 10                        | 64QAM      | 1       | 25        | 17.06                     | 17.26                        | 17.09                      | 18.1                   | 0           |  |
| 10                        | 64QAM      | 1       | 49        | 17.28                     | 17.09                        | 16.99                      |                        |             |  |
| 10                        | 64QAM      | 25      | 0         | 16.99                     | 17.20                        | 17.02                      |                        |             |  |
| 10                        | 64QAM      | 25      | 12        | 17.20                     | 17.16                        | 16.98                      | 18.1                   | 0           |  |
| 10                        | 64QAM      | 25      | 25        | 17.15                     | 17.30                        | 17.20                      |                        |             |  |
| 10                        | 64QAM      | 50      | 0         | 17.13                     | 17.00                        | 16.98                      |                        |             |  |
| 10                        | 256QAM     | 1       | 0         | 17.15                     | 17.05                        | 16.84                      | 18.1                   | 0           |  |
| 10                        | 256QAM     | 1       | 25        | 17.15                     | 17.13                        | 17.13                      |                        |             |  |
| 10                        | 256QAM     | 1       | 49        | 17.04                     | 17.31                        | 17.03                      |                        |             |  |
| 10                        | 256QAM     | 25      | 0         | 17.24                     | 17.09                        | 17.18                      | 18.1                   | 0           |  |
| 10                        | 256QAM     | 25      | 12        | 17.17                     | 17.10                        | 17.08                      |                        |             |  |
| 10                        | 256QAM     | 25      | 25        | 16.95                     | 17.34                        | 16.90                      |                        |             |  |
| 10                        | 256QAM     | 50      | 0         | 16.99                     | 17.18                        | 17.10                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                   |            |         |           | 42115                     | 42590                        | 43065                      |                        |             |  |
| Frequency (MHz)           |            |         |           | 3452.5                    | 3500                         | 3547.5                     |                        |             |  |
| 5                         | QPSK       | 1       | 0         | 17.19                     | 17.30                        | 17.14                      | 18.1                   | 0           |  |
| 5                         | QPSK       | 1       | 12        | 17.22                     | 17.24                        | 17.04                      |                        |             |  |
| 5                         | QPSK       | 1       | 24        | 17.20                     | 16.96                        | 17.22                      |                        |             |  |
| 5                         | QPSK       | 12      | 0         | 16.97                     | 17.14                        | 16.98                      | 18.1                   | 0           |  |
| 5                         | QPSK       | 12      | 7         | 17.02                     | 17.18                        | 17.12                      |                        |             |  |
| 5                         | QPSK       | 12      | 13        | 17.12                     | 17.06                        | 16.93                      |                        |             |  |
| 5                         | QPSK       | 25      | 0         | 17.12                     | 17.03                        | 17.20                      | 18.1                   | 0           |  |
| 5                         | 16QAM      | 1       | 0         | 17.03                     | 17.14                        | 17.14                      |                        |             |  |
| 5                         | 16QAM      | 1       | 12        | 16.98                     | 17.19                        | 17.01                      |                        |             |  |
| 5                         | 16QAM      | 1       | 24        | 17.12                     | 17.21                        | 17.17                      | 18.1                   | 0           |  |
| 5                         | 16QAM      | 12      | 0         | 17.23                     | 17.22                        | 16.98                      |                        |             |  |
| 5                         | 16QAM      | 12      | 7         | 17.07                     | 17.13                        | 17.06                      |                        |             |  |
| 5                         | 16QAM      | 12      | 13        | 17.09                     | 17.25                        | 16.91                      | 18.1                   | 0           |  |
| 5                         | 16QAM      | 25      | 0         | 17.10                     | 17.21                        | 17.01                      |                        |             |  |
| 5                         | 64QAM      | 1       | 0         | 16.96                     | 16.96                        | 16.81                      |                        |             |  |
| 5                         | 64QAM      | 1       | 12        | 17.07                     | 17.09                        | 17.20                      | 18.1                   | 0           |  |
| 5                         | 64QAM      | 1       | 24        | 17.24                     | 17.15                        | 17.10                      |                        |             |  |
| 5                         | 64QAM      | 12      | 0         | 16.96                     | 17.11                        | 17.08                      |                        |             |  |
| 5                         | 64QAM      | 12      | 7         | 17.27                     | 17.05                        | 17.02                      | 18.1                   | 0           |  |
| 5                         | 64QAM      | 12      | 13        | 17.11                     | 17.23                        | 17.13                      |                        |             |  |
| 5                         | 64QAM      | 25      | 0         | 17.24                     | 17.02                        | 16.87                      |                        |             |  |
| 5                         | 256QAM     | 1       | 0         | 17.12                     | 17.19                        | 16.90                      | 18.1                   | 0           |  |
| 5                         | 256QAM     | 1       | 12        | 17.27                     | 17.10                        | 17.21                      |                        |             |  |
| 5                         | 256QAM     | 1       | 24        | 16.96                     | 17.30                        | 16.90                      |                        |             |  |
| 5                         | 256QAM     | 12      | 0         | 17.07                     | 17.14                        | 17.17                      | 18.1                   | 0           |  |
| 5                         | 256QAM     | 12      | 7         | 17.09                     | 17.06                        | 17.11                      |                        |             |  |
| 5                         | 256QAM     | 12      | 13        | 17.13                     | 17.16                        | 16.90                      |                        |             |  |
| 5                         | 256QAM     | 25      | 0         | 16.97                     | 17.11                        | 17.03                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                   |            |         |           | 42115                     | 42590                        | 43065                      |                        |             |  |
| Frequency (MHz)           |            |         |           | 3452.5                    | 3500                         | 3547.5                     |                        |             |  |

### Reduced Power Mode for DSI6

| GSM850 Ant 0    |                 | Burst Average Power (dBm) |       |       | Tune-up<br>Limit<br>(dBm) | Frame Average Power (dBm) |       |       | Tune-up<br>Limit<br>(dBm) |
|-----------------|-----------------|---------------------------|-------|-------|---------------------------|---------------------------|-------|-------|---------------------------|
| Tx Channel      | Frequency (MHz) | 161                       | 161   | 251   |                           | 161                       | 161   | 251   |                           |
|                 |                 | 824.2                     | 836.4 | 848.8 |                           | 824.2                     | 836.4 | 848.8 |                           |
| GSM 1 Tx slot   |                 | 32.75                     | 32.84 | 32.78 | 33.50                     | 23.75                     | 23.84 | 23.78 | 24.50                     |
| GPRS 1 Tx slot  |                 | 32.72                     | 32.81 | 32.76 | 33.50                     | 23.72                     | 23.81 | 23.76 | 24.50                     |
| GPRS 2 Tx slots |                 | 29.53                     | 29.31 | 29.55 | 30.50                     | 23.53                     | 23.31 | 23.55 | 24.50                     |
| GPRS 3 Tx slots |                 | 27.72                     | 27.53 | 27.50 | 28.50                     | 23.48                     | 23.27 | 23.24 | 24.24                     |
| GPRS 4 Tx slots |                 | 26.41                     | 26.38 | 26.30 | 27.50                     | 23.41                     | 23.38 | 23.30 | 24.50                     |
| EDGE 1 Tx slot  |                 | 26.76                     | 26.71 | 26.73 | 27.50                     | 17.76                     | 17.71 | 17.73 | 18.50                     |
| EDGE 2 Tx slots |                 | 23.39                     | 23.32 | 23.35 | 26.50                     | 19.39                     | 19.32 | 19.35 | 20.50                     |
| EDGE 3 Tx slots |                 | 23.86                     | 23.66 | 23.70 | 24.50                     | 19.60                     | 19.40 | 19.44 | 20.24                     |
| EDGE 4 Tx slots |                 | 21.64                     | 21.65 | 21.54 | 22.50                     | 18.64                     | 18.65 | 18.54 | 19.50                     |

| Band        |                   | WCDMA V Ant 0 |       |       | Tune-up<br>Limit<br>(dBm) |
|-------------|-------------------|---------------|-------|-------|---------------------------|
| Tx Channel  | Rx Channel        | 4132          | 4182  | 4233  |                           |
|             |                   | 4357          | 4407  | 4458  |                           |
|             | Frequency (MHz)   | 824.2         | 836.4 | 848.8 |                           |
| 3GPP Rel 99 | AMR 12.2Kbps      | 22.95         | 22.95 | 22.73 | 24.00                     |
| 3GPP Rel 99 | RMTC 12.2Kbps     | 22.95         | 23.03 | 22.98 | 24.00                     |
| 3GPP Rel 6  | HSDPA Subtest-1   | 22.05         | 22.00 | 21.90 | 23.00                     |
| 3GPP Rel 6  | HSDPA Subtest-2   | 22.01         | 21.96 | 21.99 | 23.00                     |
| 3GPP Rel 6  | HSDPA Subtest-3   | 21.33         | 21.58 | 21.52 | 22.50                     |
| 3GPP Rel 6  | HSDPA Subtest-4   | 21.47         | 21.48 | 21.52 | 22.50                     |
| 3GPP Rel 8  | DCHSDPA Subtest-1 | 22.02         | 21.95 | 22.03 | 23.00                     |
| 3GPP Rel 8  | DCHSDPA Subtest-2 | 22.04         | 22.04 | 21.92 | 23.00                     |
| 3GPP Rel 8  | DCHSDPA Subtest-3 | 21.50         | 21.48 | 21.37 | 22.50                     |
| 3GPP Rel 8  | DCHSDPA Subtest-4 | 21.37         | 21.62 | 21.48 | 22.50                     |
| 3GPP Rel 6  | HSPA Subtest-1    | 21.93         | 22.02 | 22.03 | 23.00                     |
| 3GPP Rel 6  | HSPA Subtest-2    | 20.05         | 19.97 | 19.96 | 21.00                     |
| 3GPP Rel 6  | HSPA Subtest-3    | 21.05         | 20.94 | 20.85 | 22.00                     |
| 3GPP Rel 6  | HSPA Subtest-4    | 19.84         | 20.12 | 20.03 | 21.00                     |
| 3GPP Rel 6  | HSPA Subtest-5    | 21.85         | 22.14 | 21.86 | 23.00                     |

| Band 5 Ant 0    |            |         |           |                       |                          |                        |                     |          |  |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Turn-up limit (dBm) | MPR (dB) |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           | 820                   | 836.5                    | 844                    |                     |          |  |  |
| 10              | QPSK       | 1       | 0         | 22.83                 | 22.94                    | 22.88                  | 24                  | 0        |  |  |
| 10              | QPSK       | 1       | 25        | 22.65                 | 22.90                    | 22.89                  |                     |          |  |  |
| 10              | QPSK       | 1       | 49        | 22.79                 | 22.92                    | 22.83                  |                     |          |  |  |
| 10              | QPSK       | 25      | 0         | 21.88                 | 22.07                    | 22.00                  |                     |          |  |  |
| 10              | QPSK       | 25      | 12        | 22.03                 | 21.85                    | 21.97                  | 23                  | 1        |  |  |
| 10              | QPSK       | 25      | 25        | 22.06                 | 21.97                    | 21.86                  |                     |          |  |  |
| 10              | QPSK       | 50      | 0         | 21.94                 | 22.03                    | 21.89                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 0         | 21.95                 | 22.04                    | 22.01                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 25        | 21.92                 | 21.86                    | 21.99                  | 23                  | 1        |  |  |
| 10              | 16QAM      | 1       | 49        | 22.05                 | 21.95                    | 22.03                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 0         | 21.02                 | 21.02                    | 20.87                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 12        | 21.00                 | 20.86                    | 21.05                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 25        | 21.03                 | 20.86                    | 20.86                  | 22                  | 2        |  |  |
| 10              | 16QAM      | 50      | 0         | 20.95                 | 20.84                    | 21.01                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 0         | 20.95                 | 20.94                    | 20.87                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 25        | 20.95                 | 20.88                    | 20.93                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 49        | 21.08                 | 20.80                    | 20.88                  | 22                  | 2        |  |  |
| 10              | 64QAM      | 25      | 0         | 19.93                 | 19.90                    | 19.84                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 12        | 19.87                 | 19.92                    | 20.03                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 25        | 19.94                 | 19.94                    | 19.92                  |                     |          |  |  |
| 10              | 64QAM      | 50      | 0         | 19.93                 | 19.89                    | 19.91                  | 21                  | 3        |  |  |
| 10              | 256QAM     | 1       | 0         | 18.07                 | 18.02                    | 17.98                  |                     |          |  |  |
| 10              | 256QAM     | 1       | 25        | 18.09                 | 18.03                    | 18.05                  |                     |          |  |  |
| 10              | 256QAM     | 1       | 49        | 18.03                 | 18.03                    | 18.08                  |                     |          |  |  |
| 10              | 256QAM     | 25      | 0         | 17.89                 | 17.97                    | 17.99                  | 19                  | 5        |  |  |
| 10              | 256QAM     | 12      | 7         | 18.11                 | 17.87                    | 18.05                  |                     |          |  |  |
| 10              | 256QAM     | 25      | 25        | 17.92                 | 17.93                    | 17.96                  |                     |          |  |  |
| 10              | 256QAM     | 50      | 0         | 18.03                 | 18.01                    | 17.97                  |                     |          |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           | 20425                 | 20505                    | 20525                  | Turn-up limit (dBm) | MPR (dB) |  |  |
| 5               | QPSK       | 1       | 0         | 22.66                 | 22.85                    | 22.76                  | 24                  | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 22.52                 | 22.90                    | 22.72                  |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 22.65                 | 22.82                    | 22.83                  |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 21.90                 | 22.02                    | 21.99                  |                     |          |  |  |
| 5               | QPSK       | 12      | 7         | 22.00                 | 21.93                    | 21.87                  | 23                  | 1        |  |  |
| 5               | QPSK       | 12      | 13        | 22.04                 | 21.90                    | 21.82                  |                     |          |  |  |
| 5               | QPSK       | 25      | 0         | 21.90                 | 21.88                    | 21.76                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 0         | 21.86                 | 21.86                    | 21.81                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 12        | 21.81                 | 21.78                    | 21.93                  | 23                  | 1        |  |  |
| 5               | 16QAM      | 1       | 24        | 21.86                 | 21.76                    | 21.99                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 0         | 20.90                 | 20.82                    | 20.75                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 7         | 21.02                 | 20.80                    | 20.87                  |                     |          |  |  |
| 5               | 16QAM      | 25      | 0         | 20.73                 | 20.85                    | 20.87                  | 22                  | 2        |  |  |
| 5               | 16QAM      | 25      | 0         | 20.73                 | 20.85                    | 20.90                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 0         | 20.84                 | 20.92                    | 20.86                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 12        | 20.79                 | 20.72                    | 20.92                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 24        | 20.80                 | 20.78                    | 20.81                  | 22                  | 2        |  |  |
| 5               | 64QAM      | 12      | 0         | 19.88                 | 19.74                    | 19.84                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 7         | 19.82                 | 19.71                    | 19.83                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 13        | 19.94                 | 19.94                    | 19.77                  |                     |          |  |  |
| 5               | 64QAM      | 25      | 0         | 19.84                 | 19.71                    | 19.71                  | 21                  | 3        |  |  |
| 5               | 256QAM     | 1       | 0         | 17.91                 | 18.04                    | 17.91                  |                     |          |  |  |
| 5               | 256QAM     | 1       | 12        | 17.90                 | 17.95                    | 17.89                  |                     |          |  |  |
| 5               | 256QAM     | 1       | 24        | 17.91                 | 17.96                    | 18.04                  |                     |          |  |  |
| 5               | 256QAM     | 12      | 0         | 17.85                 | 17.82                    | 17.94                  | 19                  | 5        |  |  |
| 5               | 256QAM     | 12      | 7         | 18.00                 | 17.74                    | 18.06                  |                     |          |  |  |
| 5               | 256QAM     | 12      | 13        | 17.74                 | 17.94                    | 17.75                  |                     |          |  |  |
| 5               | 256QAM     | 25      | 0         | 18.00                 | 18.03                    | 17.81                  |                     |          |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           | 820.5                 | 836.5                    | 847.5                  | Turn-up limit (dBm) | MPR (dB) |  |  |
| 3               | QPSK       | 1       | 0         | 22.80                 | 22.93                    | 22.69                  | 24                  | 0        |  |  |
| 3               | QPSK       | 1       | 8         | 22.60                 | 22.92                    | 22.69                  |                     |          |  |  |
| 3               | QPSK       | 1       | 14        | 22.61                 | 22.88                    | 22.83                  |                     |          |  |  |
| 3               | QPSK       | 8       | 0         | 21.71                 | 21.91                    | 21.87                  |                     |          |  |  |
| 3               | QPSK       | 8       | 4         | 21.90                 | 21.72                    | 21.85                  | 23                  | 1        |  |  |
| 3               | QPSK       | 8       | 7         | 22.01                 | 21.85                    | 21.76                  |                     |          |  |  |
| 3               | QPSK       | 16      | 0         | 21.75                 | 21.88                    | 21.70                  |                     |          |  |  |
| 3               | 16QAM      | 1       | 0         | 21.84                 | 22.06                    | 22.00                  |                     |          |  |  |
| 3               | 16QAM      | 1       | 8         | 21.75                 | 21.70                    | 21.92                  | 23                  | 1        |  |  |
| 3               | 16QAM      | 1       | 14        | 21.84                 | 21.73                    | 21.92                  |                     |          |  |  |
| 3               | 16QAM      | 8       | 0         | 20.81                 | 20.94                    | 20.71                  |                     |          |  |  |
| 3               | 16QAM      | 8       | 4         | 20.80                 | 20.74                    | 21.00                  |                     |          |  |  |
| 3               | 16QAM      | 8       | 7         | 20.86                 | 20.81                    | 20.74                  | 22                  | 2        |  |  |
| 3               | 16QAM      | 15      | 0         | 20.75                 | 20.71                    | 20.98                  |                     |          |  |  |
| 3               | 64QAM      | 1       | 0         | 20.81                 | 20.75                    | 20.74                  |                     |          |  |  |
| 3               | 64QAM      | 1       | 8         | 20.86                 | 20.76                    | 20.73                  |                     |          |  |  |
| 3               | 64QAM      | 1       | 14        | 20.99                 | 20.73                    | 20.69                  | 22                  | 2        |  |  |
| 3               | 64QAM      | 8       | 0         | 19.90                 | 19.74                    | 19.82                  |                     |          |  |  |
| 3               | 64QAM      | 8       | 4         | 19.67                 | 19.77                    | 19.92                  |                     |          |  |  |
| 3               | 64QAM      | 8       | 7         | 19.62                 | 19.67                    | 19.89                  |                     |          |  |  |
| 3               | 64QAM      | 15      | 0         | 19.79                 | 19.71                    | 19.92                  | 21                  | 3        |  |  |
| 3               | 256QAM     | 1       | 0         | 18.02                 | 17.98                    | 17.76                  |                     |          |  |  |
| 3               | 256QAM     | 1       | 8         | 17.96                 | 17.97                    | 17.87                  |                     |          |  |  |
| 3               | 256QAM     | 1       | 14        | 17.85                 | 18.04                    | 18.02                  |                     |          |  |  |
| 3               | 256QAM     | 8       | 0         | 17.77                 | 17.85                    | 17.89                  | 19                  | 5        |  |  |
| 3               | 256QAM     | 8       | 4         | 18.06                 | 17.90                    | 17.90                  |                     |          |  |  |
| 3               | 256QAM     | 8       | 7         | 17.71                 | 17.90                    | 17.91                  |                     |          |  |  |
| 3               | 256QAM     | 15      | 0         | 17.88                 | 17.99                    | 17.96                  |                     |          |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           | 824.7                 | 836.5                    | 848.3                  | Turn-up limit (dBm) | MPR (dB) |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.69                 | 22.92                    | 22.82                  | 24                  | 0        |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.59                 | 22.85                    | 22.81                  |                     |          |  |  |
| 1.4             | QPSK       | 1       | 5         | 22.59                 | 22.82                    | 22.82                  |                     |          |  |  |
| 1.4             | QPSK       | 3       | 0         | 22.73                 | 22.81                    | 22.76                  |                     |          |  |  |
| 1.4             | QPSK       | 3       | 1         | 22.53                 | 22.85                    | 22.87                  | 23                  | 1        |  |  |
| 1.4             | QPSK       | 3       | 3         | 22.77                 | 22.89                    | 22.83                  |                     |          |  |  |
| 1.4             | QPSK       | 6       | 0         | 21.93                 | 21.88                    | 21.85                  |                     |          |  |  |
| 1.4             | 16QAM      | 1       | 0         | 21.87                 | 21.89                    | 21.85                  |                     |          |  |  |
| 1.4             | 16QAM      | 1       | 3         | 21.71                 | 21.88                    | 21.96                  | 23                  | 1        |  |  |
| 1.4             | 16QAM      | 1       | 5         | 21.84                 | 21.87                    | 21.81                  |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 0         | 21.84                 | 21.84                    | 21.73                  |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.94                 | 22.00                    | 21.97                  |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.74                 | 21.68                    | 21.79                  | 22                  | 2        |  |  |
| 1.4             | 16QAM      | 6       | 0         | 20.84                 | 20.69                    | 20.99                  |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 0         | 20.77                 | 20.89                    | 20.81                  |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 3         | 20.83                 | 20.68                    | 20.89                  |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 5         | 20.91                 | 20.84                    | 20.68                  | 22                  | 2        |  |  |
| 1.4             | 64QAM      | 3       | 0         | 20.98                 | 20.78                    | 21.00                  |                     |          |  |  |
| 1.4             | 64QAM      | 3       | 1         | 20.84                 | 20.85                    | 20.83                  |                     |          |  |  |
| 1.4             | 64QAM      | 3       | 3         | 20.92                 | 20.73                    | 20.99                  |                     |          |  |  |
| 1.4             | 64QAM      | 6       | 0         | 19.75                 | 19.77                    | 19.78                  | 21                  | 3        |  |  |
| 1.4             | 256QAM     | 1       | 0         | 18.02                 | 17.99                    | 17.83                  |                     |          |  |  |
| 1.4             | 256QAM     | 1       | 3         | 18.03                 | 17.99                    | 17.97                  |                     |          |  |  |
| 1.4             | 256QAM     | 1       | 5         | 18.04                 | 17.90                    | 18.00                  |                     |          |  |  |
| 1.4             | 256QAM     | 3       | 0         | 17.88                 | 17.82                    | 17.87                  | 19                  | 5        |  |  |
| 1.4             | 256QAM     | 3       | 1         | 18.02                 | 17.76                    | 17.97                  |                     |          |  |  |
| 1.4             | 256QAM     | 3       | 3         | 17.73                 | 17.83                    | 17.95                  |                     |          |  |  |
| 1.4             | 256QAM     | 6       | 0         | 17.89                 | 17.93                    | 17.78                  |                     |          |  |  |

| Band 12 Ant 0   |            |         |           |                                                                                   |                                                                     |                                                      |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------|---------------------|----------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq.                                                             | Power Middle Ch. / Freq.                                            | Power High Ch. / Freq.                               | Turn-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           |                                                                                   |                                                                     |                                                      |                     |          |  |
| Frequency (MHz) |            |         |           | 704                                                                               | 707.5                                                               | 711                                                  |                     |          |  |
| 10              | QPSK       | 1       | 0         | 22.82                                                                             | 23.02                                                               | 22.80                                                | 24                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 22.65                                                                             | 22.81                                                               | 22.76                                                |                     |          |  |
| 10              | QPSK       | 1       | 49        | 22.69                                                                             | 22.82                                                               | 22.77                                                |                     |          |  |
| 10              | QPSK       | 25      | 0         | 21.91                                                                             | 22.07                                                               | 22.01                                                |                     |          |  |
| 10              | QPSK       | 25      | 12        | 21.90                                                                             | 21.87                                                               | 21.99                                                | 23                  | 1        |  |
| 10              | QPSK       | 25      | 25        | 21.94                                                                             | 21.86                                                               | 22.03                                                |                     |          |  |
| 10              | QPSK       | 50      | 0         | 21.97                                                                             | 22.03                                                               | 21.98                                                |                     |          |  |
| 10              | 16QAM      | 1       | 0         | 22.09                                                                             | 21.98                                                               | 21.94                                                |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 21.86                                                                             | 21.98                                                               | 22.09                                                | 23                  | 1        |  |
| 10              | 16QAM      | 1       | 49        | 21.96                                                                             | 21.96                                                               | 21.90                                                |                     |          |  |
| 10              | 16QAM      | 25      | 0         | 20.71                                                                             | 20.80                                                               | 20.84                                                |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 20.80                                                                             | 20.80                                                               | 20.81                                                |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 20.68                                                                             | 20.79                                                               | 20.63                                                | 22                  | 2        |  |
| 10              | 16QAM      | 50      | 0         | 20.78                                                                             | 20.82                                                               | 20.86                                                |                     |          |  |
| 10              | 16QAM      | 1       | 0         | 20.85                                                                             | 20.87                                                               | 20.83                                                |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 20.72                                                                             | 20.72                                                               | 20.75                                                |                     |          |  |
| 10              | 16QAM      | 1       | 49        | 20.65                                                                             | 20.65                                                               | 20.79                                                | 22                  | 2        |  |
| 10              | 16QAM      | 25      | 0         | 19.81                                                                             | 19.72                                                               | 19.75                                                |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 19.85                                                                             | 19.70                                                               | 19.90                                                |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 19.86                                                                             | 19.77                                                               | 19.72                                                |                     |          |  |
| 10              | 16QAM      | 50      | 0         | 19.91                                                                             | 19.90                                                               | 19.71                                                | 21                  | 3        |  |
| 10              | 25QAM      | 1       | 0         | 17.77                                                                             | 17.88                                                               | 17.83                                                |                     |          |  |
| 10              | 25QAM      | 1       | 25        | 17.77                                                                             | 17.78                                                               | 17.83                                                |                     |          |  |
| 10              | 25QAM      | 1       | 49        | 17.80                                                                             | 17.76                                                               | 17.70                                                |                     |          |  |
| 10              | 25QAM      | 25      | 0         | 17.68                                                                             | 17.69                                                               | 17.80                                                | 19                  | 5        |  |
| 10              | 25QAM      | 25      | 12        | 17.67                                                                             | 17.79                                                               | 17.70                                                |                     |          |  |
| 10              | 25QAM      | 25      | 25        | 17.69                                                                             | 17.81                                                               | 17.85                                                |                     |          |  |
| 10              | 25QAM      | 50      | 0         | 17.70                                                                             | 17.86                                                               | 17.84                                                |                     |          |  |
| Channel         |            |         |           | 23035 <th>23050.5<th>23105<th>Turn-up limit (dBm)</th><th>MPR (dB)</th></th></th> | 23050.5 <th>23105<th>Turn-up limit (dBm)</th><th>MPR (dB)</th></th> | 23105 <th>Turn-up limit (dBm)</th> <th>MPR (dB)</th> | Turn-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 701.5 <th>707.5<th>713.5<th></th><th></th></th></th>                              | 707.5 <th>713.5<th></th><th></th></th>                              | 713.5 <th></th> <th></th>                            |                     |          |  |
| 5               | QPSK       | 1       | 0         | 22.68                                                                             | 22.95                                                               | 22.76                                                | 24                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 22.66                                                                             | 22.88                                                               | 22.62                                                |                     |          |  |
| 5               | QPSK       | 1       | 24        | 22.48                                                                             | 22.82                                                               | 22.74                                                |                     |          |  |
| 5               | QPSK       | 12      | 0         | 21.71                                                                             | 22.04                                                               | 22.02                                                |                     |          |  |
| 5               | QPSK       | 12      | 7         | 21.85                                                                             | 21.68                                                               | 21.96                                                | 23                  | 1        |  |
| 5               | QPSK       | 12      | 13        | 21.80                                                                             | 21.82                                                               | 21.84                                                |                     |          |  |
| 5               | QPSK       | 25      | 0         | 21.88                                                                             | 21.96                                                               | 21.93                                                |                     |          |  |
| 5               | 16QAM      | 1       | 0         | 22.09                                                                             | 21.88                                                               | 21.95                                                |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 21.70                                                                             | 21.93                                                               | 21.94                                                | 23                  | 1        |  |
| 5               | 16QAM      | 1       | 24        | 21.76                                                                             | 21.82                                                               | 21.80                                                |                     |          |  |
| 5               | 16QAM      | 12      | 0         | 20.59                                                                             | 20.83                                                               | 20.88                                                |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 20.80                                                                             | 20.54                                                               | 20.70                                                |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 20.53                                                                             | 20.78                                                               | 20.47                                                | 22                  | 2        |  |
| 5               | 16QAM      | 25      | 0         | 20.64                                                                             | 20.65                                                               | 20.81                                                |                     |          |  |
| 5               | 16QAM      | 25      | 12        | 20.67                                                                             | 20.49                                                               | 20.78                                                |                     |          |  |
| 5               | 16QAM      | 25      | 24        | 20.53                                                                             | 20.59                                                               | 20.77                                                |                     |          |  |
| 5               | 16QAM      | 1       | 24        | 20.47                                                                             | 20.48                                                               | 20.70                                                | 22                  | 2        |  |
| 5               | 64QAM      | 12      | 0         | 19.75                                                                             | 19.57                                                               | 19.62                                                |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 19.86                                                                             | 19.50                                                               | 19.77                                                |                     |          |  |
| 5               | 64QAM      | 12      | 13        | 19.69                                                                             | 19.69                                                               | 19.59                                                |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 19.91                                                                             | 19.70                                                               | 19.65                                                | 21                  | 3        |  |
| 5               | 25QAM      | 1       | 0         | 17.55                                                                             | 17.86                                                               | 17.75                                                |                     |          |  |
| 5               | 25QAM      | 1       | 12        | 17.58                                                                             | 17.87                                                               | 17.67                                                |                     |          |  |
| 5               | 25QAM      | 1       | 24        | 17.87                                                                             | 17.72                                                               | 17.85                                                |                     |          |  |
| 5               | 25QAM      | 12      | 0         | 17.61                                                                             | 17.57                                                               | 17.61                                                | 19                  | 5        |  |
| 5               | 25QAM      | 12      | 7         | 17.54                                                                             | 17.66                                                               | 17.71                                                |                     |          |  |
| 5               | 25QAM      | 12      | 13        | 17.50                                                                             | 17.70                                                               | 17.79                                                |                     |          |  |
| 5               | 25QAM      | 25      | 0         | 17.54                                                                             | 17.74                                                               | 17.74                                                |                     |          |  |
| Channel         |            |         |           | 23025 <th>23095<th>23105<th>Turn-up limit (dBm)</th><th>MPR (dB)</th></th></th>   | 23095 <th>23105<th>Turn-up limit (dBm)</th><th>MPR (dB)</th></th>   | 23105 <th>Turn-up limit (dBm)</th> <th>MPR (dB)</th> | Turn-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 700.5 <th>707.5<th>714.5<th></th><th></th></th></th>                              | 707.5 <th>714.5<th></th><th></th></th>                              | 714.5 <th></th> <th></th>                            |                     |          |  |
| 3               | QPSK       | 1       | 0         | 22.74                                                                             | 22.84                                                               | 22.61                                                | 24                  | 0        |  |
| 3               | QPSK       | 1       | 8         | 22.65                                                                             | 22.76                                                               | 22.69                                                |                     |          |  |
| 3               | QPSK       | 8       | 0         | 22.44                                                                             | 22.69                                                               | 22.63                                                |                     |          |  |
| 3               | QPSK       | 8       | 0         | 21.79                                                                             | 22.01                                                               | 21.88                                                |                     |          |  |
| 3               | QPSK       | 8       | 8         | 21.89                                                                             | 21.79                                                               | 21.78                                                | 23                  | 1        |  |
| 3               | QPSK       | 8       | 7         | 21.95                                                                             | 21.68                                                               | 22.01                                                |                     |          |  |
| 3               | QPSK       | 8       | 7         | 21.85                                                                             | 21.62                                                               | 21.84                                                |                     |          |  |
| 3               | 16QAM      | 1       | 0         | 21.93                                                                             | 21.87                                                               | 21.93                                                |                     |          |  |
| 3               | 16QAM      | 1       | 8         | 21.87                                                                             | 21.88                                                               | 21.97                                                | 23                  | 1        |  |
| 3               | 16QAM      | 1       | 14        | 21.86                                                                             | 21.91                                                               | 21.66                                                |                     |          |  |
| 3               | 16QAM      | 8       | 0         | 20.61                                                                             | 20.69                                                               | 20.65                                                |                     |          |  |
| 3               | 16QAM      | 8       | 7         | 20.66                                                                             | 20.69                                                               | 20.47                                                |                     |          |  |
| 3               | 16QAM      | 15      | 0         | 20.72                                                                             | 20.66                                                               | 20.96                                                | 22                  | 2        |  |
| 3               | 64QAM      | 8       | 0         | 20.56                                                                             | 20.57                                                               | 20.77                                                |                     |          |  |
| 3               | 64QAM      | 1       | 8         | 20.71                                                                             | 20.69                                                               | 20.59                                                |                     |          |  |
| 3               | 64QAM      | 1       | 14        | 20.52                                                                             | 20.60                                                               | 20.61                                                |                     |          |  |
| 3               | 64QAM      | 8       | 0         | 19.74                                                                             | 19.53                                                               | 19.75                                                | 21                  | 3        |  |
| 3               | 64QAM      | 8       | 7         | 19.79                                                                             | 19.57                                                               | 19.79                                                |                     |          |  |
| 3               | 64QAM      | 8       | 7         | 19.84                                                                             | 19.78                                                               | 19.59                                                |                     |          |  |
| 3               | 64QAM      | 15      | 0         | 19.76                                                                             | 19.86                                                               | 19.72                                                |                     |          |  |
| 3               | 25QAM      | 1       | 0         | 17.70                                                                             | 17.76                                                               | 17.79                                                | 19                  | 5        |  |
| 3               | 25QAM      | 1       | 8         | 17.69                                                                             | 17.79                                                               | 17.59                                                |                     |          |  |
| 3               | 25QAM      | 1       | 14        | 17.76                                                                             | 17.61                                                               | 17.59                                                |                     |          |  |
| 3               | 25QAM      | 8       | 0         | 17.63                                                                             | 17.57                                                               | 17.78                                                |                     |          |  |
| 3               | 25QAM      | 8       | 4         | 17.45                                                                             | 17.72                                                               | 17.71                                                | 21                  | 5        |  |
| 3               | 25QAM      | 8       | 7         | 17.56                                                                             | 17.60                                                               | 17.77                                                |                     |          |  |
| 3               | 25QAM      | 15      | 0         | 17.59                                                                             | 17.98                                                               | 17.75                                                |                     |          |  |
| 3               | 25QAM      | 15      | 7         | 17.59                                                                             | 17.98                                                               | 17.75                                                |                     |          |  |
| Channel         |            |         |           | 23017 <th>23095<th>23175<th>Turn-up limit (dBm)</th><th>MPR (dB)</th></th></th>   | 23095 <th>23175<th>Turn-up limit (dBm)</th><th>MPR (dB)</th></th>   | 23175 <th>Turn-up limit (dBm)</th> <th>MPR (dB)</th> | Turn-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 699.7 <th>707.5<th>715.3<th></th><th></th></th></th>                              | 707.5 <th>715.3<th></th><th></th></th>                              | 715.3 <th></th> <th></th>                            |                     |          |  |
| 1.4             | QPSK       | 1       | 0         | 22.77                                                                             | 22.93                                                               | 22.81                                                | 24                  | 0        |  |
| 1.4             | QPSK       | 1       | 8         | 22.44                                                                             | 22.73                                                               | 22.65                                                |                     |          |  |
| 1.4             | QPSK       | 1       | 5         | 22.63                                                                             | 22.83                                                               | 22.71                                                |                     |          |  |
| 1.4             | QPSK       | 3       | 0         | 22.63                                                                             | 22.85                                                               | 22.80                                                |                     |          |  |
| 1.4             | QPSK       | 3       | 1         | 22.45                                                                             | 22.68                                                               | 22.75                                                | 23                  | 1        |  |
| 1.4             | QPSK       | 3       | 1         | 22.50                                                                             | 22.62                                                               | 22.65                                                |                     |          |  |
| 1.4             | QPSK       | 6       | 0         | 21.92                                                                             | 21.94                                                               | 21.99                                                |                     |          |  |
| 1.4             | 16QAM      | 1       | 0         | 21.89                                                                             | 21.79                                                               | 21.82                                                |                     |          |  |
| 1.4             | 16QAM      | 1       | 3         | 21.64                                                                             | 21.77                                                               | 21.93                                                | 23                  | 1        |  |
| 1.4             | 16QAM      | 1       | 5         | 21.87                                                                             | 21.71                                                               | 21.80                                                |                     |          |  |
| 1.4             | 16QAM      | 21.8    | 21.73     | 21.84                                                                             | 21.78                                                               |                                                      |                     |          |  |
| 1.4             | 16QAM      | 3       | 1         | 21.84                                                                             | 21.66                                                               | 21.89                                                |                     |          |  |
| 1.4             | 16QAM      | 3       | 3         | 21.82                                                                             | 21.93                                                               | 21.74                                                | 22                  | 2        |  |
| 1.4             | 16QAM      | 3       | 6         | 20.69                                                                             | 20.93                                                               | 20.71                                                |                     |          |  |
| 1.4             | 16QAM      | 20.4    | 20.4      | 20.49                                                                             | 20.79                                                               |                                                      |                     |          |  |
| 1.4             | 64QAM      | 3       | 3         | 20.64                                                                             | 20.59                                                               | 20.59                                                |                     |          |  |
| 1.4             | 64QAM      | 1       | 5         | 20.43                                                                             | 20.44                                                               | 20.77                                                | 22                  | 2        |  |
| 1.4             | 64QAM      | 3       | 0         | 20.71                                                                             | 20.32                                                               | 20.78                                                |                     |          |  |
| 1.4             | 64QAM      | 3       | 0         | 20.58                                                                             | 20.72                                                               | 20.48                                                |                     |          |  |
| 1.4             | 64QAM      | 3       | 3         | 20.65                                                                             | 20.71                                                               | 20.85                                                |                     |          |  |
| 1.4             | 64QAM      | 6       | 0         | 19.74                                                                             | 19.69                                                               | 19.57                                                | 21                  | 3        |  |
| 1.4             | 25QAM      | 1       | 0         | 17.80                                                                             | 17.80                                                               | 17.62                                                |                     |          |  |
| 1.4             | 25QAM      | 1       | 3         | 17.68                                                                             | 17.77                                                               | 17.62                                                |                     |          |  |
| 1.4             | 25QAM      | 1       | 5         | 17.88                                                                             | 17.79                                                               | 17.50                                                |                     |          |  |
| 1.4             | 25QAM      | 3       | 0         | 17.57                                                                             | 17.55                                                               | 17.66                                                | 19                  | 5        |  |
| 1.4             | 25QAM      | 3       | 0         | 17.84                                                                             | 17.60                                                               | 17.66                                                |                     |          |  |
| 1.4             | 25QAM      | 3       | 0         | 17.53                                                                             | 17.76                                                               | 17.65                                                |                     |          |  |
| 1.4             | 25QAM      | 6       | 0         | 17.57                                                                             | 17.65                                                               | 17.68                                                |                     |          |  |

| Band 17 Ant 0   |            |         |           |                             |                                |                              |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|---------------------|----------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 23790 | Power Middle Ch. / Freq. 23790 | Power High Ch. / Freq. 23800 | Tune-up limit (dbm) | MPR (db) |  |
| Channel         |            |         |           | 709                         | 710                            | 711                          |                     |          |  |
| Frequency (MHz) |            |         |           |                             |                                |                              |                     |          |  |
| 10              | QPSK       | 1       | 0         | 22.82                       | 22.85                          | 22.77                        | 24                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 22.70                       | 22.78                          | 22.65                        |                     |          |  |
| 10              | QPSK       | 1       | 49        | 22.66                       | 22.78                          | 22.58                        |                     |          |  |
| 10              | QPSK       | 25      | 0         | 21.75                       | 21.93                          | 21.78                        |                     |          |  |
| 10              | QPSK       | 25      | 12        | 21.78                       | 21.88                          | 21.92                        | 23                  | 1        |  |
| 10              | QPSK       | 25      | 25        | 21.76                       | 21.80                          | 21.87                        |                     |          |  |
| 10              | QPSK       | 50      | 0         | 21.83                       | 21.90                          | 21.88                        |                     |          |  |
| 10              | 16QAM      | 1       | 0         | 21.82                       | 21.94                          | 21.73                        |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 21.83                       | 21.92                          | 21.86                        | 23                  | 1        |  |
| 10              | 16QAM      | 1       | 49        | 21.93                       | 21.89                          | 21.81                        |                     |          |  |
| 10              | 16QAM      | 25      | 0         | 20.76                       | 20.87                          | 20.74                        |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 20.80                       | 20.80                          | 20.77                        |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 20.77                       | 20.75                          | 20.84                        | 22                  | 2        |  |
| 10              | 16QAM      | 50      | 0         | 20.82                       | 20.67                          | 20.84                        |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 20.76                       | 20.77                          | 20.81                        |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 20.73                       | 20.75                          | 20.89                        |                     |          |  |
| 10              | 64QAM      | 1       | 49        | 20.89                       | 20.79                          | 20.86                        | 22                  | 2        |  |
| 10              | 64QAM      | 25      | 0         | 19.91                       | 19.81                          | 19.91                        |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 19.72                       | 19.88                          | 19.75                        |                     |          |  |
| 10              | 64QAM      | 25      | 25        | 19.91                       | 19.81                          | 19.91                        |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 19.62                       | 19.71                          | 19.92                        | 21                  | 3        |  |
| 10              | 256QAM     | 1       | 0         | 17.88                       | 17.82                          | 17.87                        |                     |          |  |
| 10              | 256QAM     | 1       | 25        | 17.83                       | 17.97                          | 17.88                        |                     |          |  |
| 10              | 256QAM     | 1       | 49        | 17.82                       | 17.80                          | 17.88                        |                     |          |  |
| 10              | 256QAM     | 25      | 0         | 17.82                       | 17.83                          | 17.74                        | 19                  | 5        |  |
| 10              | 256QAM     | 25      | 12        | 17.96                       | 17.84                          | 17.81                        |                     |          |  |
| 10              | 256QAM     | 25      | 25        | 17.89                       | 17.84                          | 17.84                        |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 17.87                       | 17.82                          | 17.96                        |                     |          |  |
| Channel         |            |         |           | 23755                       | 23790                          | 23825                        | Tuneup limit (dbm)  | MPR (db) |  |
| Frequency (MHz) |            |         |           | 706.5                       | 710                            | 713.5                        |                     |          |  |
| 5               | QPSK       | 1       | 0         | 22.70                       | 22.72                          | 22.55                        | 24                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 22.62                       | 22.75                          | 22.45                        |                     |          |  |
| 5               | QPSK       | 1       | 24        | 22.65                       | 22.58                          | 22.50                        |                     |          |  |
| 5               | QPSK       | 12      | 0         | 21.62                       | 21.86                          | 21.65                        |                     |          |  |
| 5               | QPSK       | 12      | 7         | 21.73                       | 21.72                          | 21.89                        | 23                  | 1        |  |
| 5               | QPSK       | 12      | 13        | 21.77                       | 21.74                          | 21.67                        |                     |          |  |
| 5               | QPSK       | 25      | 0         | 21.64                       | 21.75                          | 21.67                        |                     |          |  |
| 5               | 16QAM      | 1       | 0         | 21.62                       | 21.62                          | 21.58                        |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 21.94                       | 21.82                          | 21.86                        | 23                  | 1        |  |
| 5               | 16QAM      | 1       | 24        | 21.77                       | 21.76                          | 21.82                        |                     |          |  |
| 5               | 16QAM      | 12      | 0         | 20.76                       | 20.89                          | 20.55                        |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 20.67                       | 20.76                          | 20.57                        |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 20.94                       | 20.70                          | 20.75                        | 22                  | 2        |  |
| 5               | 16QAM      | 25      | 0         | 20.81                       | 20.68                          | 20.74                        |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 20.63                       | 20.78                          | 20.72                        |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 20.51                       | 20.75                          | 20.87                        |                     |          |  |
| 5               | 64QAM      | 1       | 24        | 20.67                       | 20.73                          | 20.70                        | 22                  | 2        |  |
| 5               | 64QAM      | 12      | 0         | 19.89                       | 19.77                          | 19.84                        |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 19.70                       | 19.79                          | 19.58                        |                     |          |  |
| 5               | 64QAM      | 12      | 13        | 19.85                       | 19.77                          | 19.81                        |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 19.62                       | 19.53                          | 19.88                        | 21                  | 3        |  |
| 5               | 256QAM     | 1       | 0         | 17.89                       | 17.73                          | 17.84                        |                     |          |  |
| 5               | 256QAM     | 1       | 12        | 17.71                       | 17.83                          | 17.87                        |                     |          |  |
| 5               | 256QAM     | 1       | 24        | 17.82                       | 17.62                          | 17.88                        |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 17.76                       | 17.80                          | 17.80                        | 19                  | 5        |  |
| 5               | 256QAM     | 12      | 7         | 17.82                       | 17.70                          | 17.81                        |                     |          |  |
| 5               | 256QAM     | 12      | 13        | 17.73                       | 17.82                          | 17.79                        |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 17.74                       | 17.76                          | 17.93                        |                     |          |  |

| Band 26 Ant 0 |            |         |           |                             |                                |                              |                     |          |  |
|---------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|---------------------|----------|--|
| BW (MHz)      | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 26785 | Power Middle Ch. / Freq. 26865 | Power High Ch. / Freq. 26965 | Tune-up limit (dBm) | MPR (dB) |  |
| Channel       |            |         |           | 821.5                       | 831.5                          | 841.5                        |                     |          |  |
| 15            | QPSK       | 1       | 0         | 22.85                       | 23.06                          | 22.88                        | 24                  | 0        |  |
| 15            | QPSK       | 1       | 37        | 22.84                       | 22.75                          | 22.68                        |                     |          |  |
| 15            | QPSK       | 1       | 74        | 22.78                       | 22.91                          | 22.78                        |                     |          |  |
| 15            | QPSK       | 36      | 0         | 21.85                       | 21.95                          | 21.81                        |                     |          |  |
| 15            | QPSK       | 36      | 20        | 21.81                       | 21.83                          | 21.75                        | 23                  | 1        |  |
| 15            | QPSK       | 36      | 39        | 21.84                       | 21.85                          | 21.80                        |                     |          |  |
| 15            | QPSK       | 75      | 0         | 21.71                       | 21.81                          | 21.80                        |                     |          |  |
| 15            | 16QAM      | 1       | 0         | 21.73                       | 21.72                          | 21.76                        |                     |          |  |
| 15            | 16QAM      | 1       | 37        | 21.76                       | 21.76                          | 21.76                        | 23                  | 1        |  |
| 15            | 16QAM      | 1       | 74        | 21.78                       | 21.90                          | 21.92                        |                     |          |  |
| 15            | 16QAM      | 36      | 0         | 20.84                       | 20.79                          | 20.79                        |                     |          |  |
| 15            | 16QAM      | 36      | 20        | 20.84                       | 20.92                          | 20.84                        |                     |          |  |
| 15            | 16QAM      | 36      | 39        | 20.86                       | 20.98                          | 20.81                        | 22                  | 2        |  |
| 15            | 16QAM      | 75      | 0         | 21.00                       | 20.93                          | 20.97                        |                     |          |  |
| 15            | 64QAM      | 1       | 0         | 20.88                       | 20.87                          | 20.81                        |                     |          |  |
| 15            | 64QAM      | 1       | 37        | 20.91                       | 20.76                          | 20.89                        |                     |          |  |
| 15            | 64QAM      | 1       | 74        | 20.82                       | 20.79                          | 20.88                        | 22                  | 2        |  |
| 15            | 64QAM      | 36      | 0         | 19.87                       | 19.85                          | 19.88                        |                     |          |  |
| 15            | 64QAM      | 36      | 20        | 20.01                       | 19.98                          | 19.90                        |                     |          |  |
| 15            | 64QAM      | 36      | 39        | 19.93                       | 19.82                          | 19.97                        |                     |          |  |
| 15            | 64QAM      | 75      | 0         | 19.86                       | 20.00                          | 19.89                        | 21                  | 3        |  |
| 15            | 256QAM     | 1       | 0         | 17.73                       | 17.73                          | 17.87                        |                     |          |  |
| 15            | 256QAM     | 1       | 37        | 17.71                       | 17.84                          | 17.92                        |                     |          |  |
| 15            | 256QAM     | 1       | 74        | 17.82                       | 17.90                          | 17.84                        |                     |          |  |
| 15            | 256QAM     | 36      | 0         | 17.75                       | 17.69                          | 17.79                        | 19                  | 5        |  |
| 15            | 256QAM     | 36      | 20        | 17.88                       | 17.71                          | 17.78                        |                     |          |  |
| 15            | 256QAM     | 36      | 39        | 17.83                       | 17.87                          | 17.93                        |                     |          |  |
| 15            | 256QAM     | 75      | 0         | 17.84                       | 17.78                          | 17.81                        |                     |          |  |
| Channel       |            |         |           | 8244                        | 8315                           | 8415                         | Tune-up limit (dBm) | MPR (dB) |  |
| 10            | QPSK       | 1       | 0         | 22.71                       | 22.88                          | 22.73                        | 24                  | 0        |  |
| 10            | QPSK       | 1       | 25        | 22.78                       | 22.65                          | 22.56                        |                     |          |  |
| 10            | QPSK       | 1       | 49        | 22.62                       | 22.75                          | 22.68                        |                     |          |  |
| 10            | QPSK       | 25      | 0         | 21.69                       | 21.81                          | 21.61                        |                     |          |  |
| 10            | QPSK       | 25      | 12        | 21.77                       | 21.79                          | 21.75                        | 23                  | 1        |  |
| 10            | QPSK       | 25      | 25        | 21.78                       | 21.79                          | 21.69                        |                     |          |  |
| 10            | QPSK       | 50      | 0         | 21.68                       | 21.60                          | 21.66                        |                     |          |  |
| 10            | 16QAM      | 1       | 0         | 21.70                       | 21.71                          | 21.66                        |                     |          |  |
| 10            | 16QAM      | 1       | 25        | 21.75                       | 21.58                          | 21.75                        | 23                  | 1        |  |
| 10            | 16QAM      | 1       | 49        | 21.59                       | 21.81                          | 21.74                        |                     |          |  |
| 10            | 16QAM      | 25      | 0         | 20.77                       | 20.80                          | 20.58                        |                     |          |  |
| 10            | 16QAM      | 25      | 12        | 20.71                       | 20.89                          | 20.72                        |                     |          |  |
| 10            | 16QAM      | 25      | 25        | 20.78                       | 20.86                          | 20.86                        | 22                  | 2        |  |
| 10            | 16QAM      | 50      | 0         | 20.81                       | 20.78                          | 20.79                        |                     |          |  |
| 10            | 64QAM      | 1       | 0         | 20.86                       | 20.70                          | 20.73                        |                     |          |  |
| 10            | 64QAM      | 1       | 25        | 20.79                       | 20.65                          | 20.76                        |                     |          |  |
| 10            | 64QAM      | 1       | 49        | 20.62                       | 20.69                          | 20.74                        | 22                  | 2        |  |
| 10            | 64QAM      | 25      | 0         | 19.82                       | 19.85                          | 19.68                        |                     |          |  |
| 10            | 64QAM      | 25      | 12        | 19.98                       | 19.97                          | 19.88                        |                     |          |  |
| 10            | 64QAM      | 25      | 25        | 19.94                       | 19.62                          | 19.79                        |                     |          |  |
| 10            | 64QAM      | 50      | 0         | 19.80                       | 19.96                          | 19.78                        | 21                  | 3        |  |
| 10            | 256QAM     | 1       | 0         | 17.58                       | 17.58                          | 17.87                        |                     |          |  |
| 10            | 256QAM     | 1       | 25        | 17.54                       | 17.84                          | 17.94                        |                     |          |  |
| 10            | 256QAM     | 1       | 49        | 17.71                       | 17.86                          | 17.80                        |                     |          |  |
| 10            | 256QAM     | 25      | 0         | 17.65                       | 17.57                          | 17.70                        | 19                  | 5        |  |
| 10            | 256QAM     | 25      | 12        | 17.66                       | 17.58                          | 17.52                        |                     |          |  |
| 10            | 256QAM     | 25      | 25        | 17.70                       | 17.65                          | 17.91                        |                     |          |  |
| 10            | 256QAM     | 50      | 0         | 17.80                       | 17.74                          | 17.76                        |                     |          |  |
| Channel       |            |         |           | 26715                       | 26865                          | 27015                        | Tune-up limit (dBm) | MPR (dB) |  |
| 5             | QPSK       | 1       | 0         | 22.78                       | 22.74                          | 22.77                        | 24                  | 0        |  |
| 5             | QPSK       | 1       | 12        | 22.80                       | 22.56                          | 22.69                        |                     |          |  |
| 5             | QPSK       | 1       | 24        | 22.72                       | 22.70                          | 22.66                        |                     |          |  |
| 5             | QPSK       | 12      | 0         | 21.80                       | 21.75                          | 21.64                        |                     |          |  |
| 5             | QPSK       | 12      | 7         | 21.76                       | 21.65                          | 21.62                        | 23                  | 1        |  |
| 5             | QPSK       | 12      | 13        | 21.67                       | 21.87                          | 21.79                        |                     |          |  |
| 5             | QPSK       | 25      | 0         | 21.63                       | 21.60                          | 21.65                        |                     |          |  |
| 5             | 16QAM      | 1       | 0         | 21.64                       | 21.53                          | 21.66                        |                     |          |  |
| 5             | 16QAM      | 1       | 12        | 21.66                       | 21.78                          | 21.72                        | 23                  | 1        |  |
| 5             | 16QAM      | 1       | 24        | 21.60                       | 21.75                          | 21.62                        |                     |          |  |
| 5             | 16QAM      | 12      | 0         | 20.79                       | 20.74                          | 20.76                        |                     |          |  |
| 5             | 16QAM      | 12      | 7         | 20.85                       | 20.77                          | 20.66                        |                     |          |  |
| 5             | 16QAM      | 12      | 13        | 20.81                       | 20.89                          | 20.80                        | 22                  | 2        |  |
| 5             | 16QAM      | 25      | 0         | 20.98                       | 20.78                          | 20.79                        |                     |          |  |
| 5             | 64QAM      | 1       | 0         | 20.83                       | 20.85                          | 20.64                        |                     |          |  |
| 5             | 64QAM      | 1       | 12        | 20.83                       | 20.71                          | 20.85                        |                     |          |  |
| 5             | 64QAM      | 1       | 24        | 20.68                       | 20.73                          | 20.70                        | 22                  | 2        |  |
| 5             | 64QAM      | 12      | 0         | 19.95                       | 19.78                          | 19.86                        |                     |          |  |
| 5             | 64QAM      | 12      | 7         | 19.89                       | 19.95                          | 19.86                        |                     |          |  |
| 5             | 64QAM      | 12      | 13        | 19.89                       | 19.80                          | 19.87                        |                     |          |  |
| 5             | 64QAM      | 25      | 0         | 19.89                       | 19.86                          | 19.73                        | 21                  | 3        |  |
| 5             | 64QAM      | 25      | 12        | 17.63                       | 17.71                          | 17.83                        |                     |          |  |
| 5             | 256QAM     | 1       | 0         | 17.71                       | 17.85                          | 17.83                        |                     |          |  |
| 5             | 256QAM     | 1       | 24        | 17.71                       | 17.87                          | 17.71                        |                     |          |  |
| 5             | 256QAM     | 12      | 0         | 17.62                       | 17.63                          | 17.81                        | 19                  | 5        |  |
| 5             | 256QAM     | 12      | 7         | 17.63                       | 17.57                          | 17.87                        |                     |          |  |
| 5             | 256QAM     | 12      | 13        | 17.62                       | 17.76                          | 17.87                        |                     |          |  |
| 5             | 256QAM     | 25      | 0         | 17.74                       | 17.77                          | 17.78                        |                     |          |  |
| Channel       |            |         |           | 26705                       | 26865                          | 27025                        | Tune-up limit (dBm) | MPR (dB) |  |
| 3             | QPSK       | 1       | 0         | 22.80                       | 22.72                          | 22.75                        | 24                  | 0        |  |
| 3             | QPSK       | 1       | 8         | 22.84                       | 22.72                          | 22.47                        |                     |          |  |
| 3             | QPSK       | 1       | 14        | 22.76                       | 22.73                          | 22.72                        |                     |          |  |
| 3             | QPSK       | 8       | 0         | 21.75                       | 21.93                          | 21.64                        |                     |          |  |
| 3             | QPSK       | 8       | 4         | 21.71                       | 21.67                          | 21.68                        | 23                  | 1        |  |
| 3             | QPSK       | 8       | 7         | 21.62                       | 21.62                          | 21.63                        |                     |          |  |
| 3             | QPSK       | 15      | 0         | 21.64                       | 21.72                          | 21.69                        |                     |          |  |
| 3             | 16QAM      | 1       | 0         | 21.57                       | 21.52                          | 21.57                        |                     |          |  |
| 3             | 16QAM      | 1       | 4         | 21.61                       | 21.68                          | 21.69                        | 23                  | 1        |  |
| 3             | 16QAM      | 1       | 14        | 21.64                       | 21.85                          | 21.53                        |                     |          |  |
| 3             | 16QAM      | 8       | 0         | 20.70                       | 20.72                          | 20.70                        |                     |          |  |
| 3             | 16QAM      | 8       | 4         | 20.65                       | 20.75                          | 20.62                        |                     |          |  |
| 3             | 16QAM      | 7       | 0         | 20.85                       | 20.76                          | 20.76                        | 22                  | 2        |  |
| 3             | 16QAM      | 7       | 4         | 21.00                       | 20.20                          | 20.89                        |                     |          |  |
| 3             | 64QAM      | 1       | 0         | 20.77                       | 20.67                          | 20.60                        |                     |          |  |
| 3             | 64QAM      | 1       | 8         | 20.93                       | 20.58                          | 20.77                        |                     |          |  |
| 3             | 64QAM      | 1       | 14        | 20.81                       | 20.78                          | 20.73                        | 22                  | 2        |  |
| 3             | 64QAM      | 7       | 0         | 19.92                       | 19.86                          | 19.85                        |                     |          |  |
| 3             | 64QAM      | 8       | 4         | 19.97                       | 19.79                          | 19.89                        |                     |          |  |
| 3             | 64QAM      | 7       | 7         | 19.86                       | 19.77                          | 19.79                        |                     |          |  |
| 3             | 64QAM      | 15      | 0         | 19.89                       | 19.83                          | 19.84                        | 21                  | 3        |  |
| 3             | 256QAM     | 1       | 0         | 17.70                       | 17.69                          | 17.81                        |                     |          |  |
| 3             | 256QAM     | 1       | 14        | 17.66                       | 17.81                          | 17.71                        |                     |          |  |
| 3             | 256QAM     | 1       | 14        | 17.75                       | 17.88                          | 17.71                        |                     |          |  |
| 3             | 256QAM     | 8       | 0         | 17.77                       | 17.69                          | 17.81                        | 19                  | 5        |  |
| 3             | 256QAM     | 8       | 4         | 17.84                       | 17.52                          | 17.88                        |                     |          |  |
| 3             | 256QAM     | 8       | 7         | 17.79                       | 17.77                          | 17.85                        |                     |          |  |
| 3             | 256QAM     | 15      | 0         | 17.75                       | 17.73                          | 17.65                        |                     |          |  |
| Channel       |            |         |           | 26699                       | 26865                          | 27003                        | Tune-up limit (dBm) | MPR (dB) |  |
| 1.4           | QPSK       | 1       | 0         | 22.67                       | 22.85                          | 22.82                        | 24                  | 0        |  |
| 1.4           | QPSK       | 1       | 0         | 22.68                       | 22.72                          | 22.75                        |                     |          |  |
| 1.4           | QPSK       | 1       | 5         | 22.61                       | 22.90                          | 22.64                        |                     |          |  |
| 1.4           | QPSK       | 1       | 0         | 22.64                       | 22.92                          | 22.90                        |                     |          |  |
| 1.4           | QPSK       | 3       | 1         | 22.81                       | 22.64                          | 22.62                        | 23                  | 1        |  |
| 1.4           | QPSK       | 3       | 1         | 22.57                       | 22.92                          | 22.93                        |                     |          |  |
| 1.4           | QPSK       | 6       | 0         | 21.70                       | 21.71                          | 21.82                        |                     |          |  |
| 1.4           | 16QAM      | 1       | 0         | 21.64                       | 21.72                          | 21.72                        |                     |          |  |
| 1.4           | 16QAM      | 1       | 3         | 21.69                       | 21.70                          | 21.60                        | 23                  | 1        |  |
| 1.4           | 16QAM      | 1       | 3         | 21.73                       | 21.61                          | 21.78                        |                     |          |  |
| 1.4           | 16QAM      | 3       | 0         | 21.54                       | 21.65                          | 21.60                        |                     |          |  |
| 1.4           | 16QAM      | 3       | 1         | 21.74                       | 21.50                          | 21.63                        |                     |          |  |
| 1.4           | 16QAM      | 3       | 3         | 21.69                       | 21.59                          | 21.66                        | 22                  | 2        |  |
| 1.4           | 16QAM      | 6       | 0         | 20.80                       | 20.80                          | 20.77                        |                     |          |  |
| 1.4           | 16QAM      | 6       | 20        | 20.88                       | 20.20                          | 20.89                        |                     |          |  |
| 1.4           | 16QAM      | 3       | 3         | 20.74                       | 20.80                          | 20.72                        |                     |          |  |
| 1.4           | 16QAM      | 1       | 5         | 20.75                       | 20.70                          | 20.78                        | 22                  | 2        |  |
| 1.4           | 64QAM      | 3       | 0         | 20.83                       | 20.77                          | 20.80                        |                     |          |  |
| 1.4           | 64QAM      | 3       | 20        | 20.84                       | 20.20                          | 20.78                        |                     |          |  |
| 1.4           | 64QAM      | 3       | 3         | 20.71                       | 20.80                          | 20.78                        |                     |          |  |
| 1.4           | 256QAM     | 1       | 0         | 18.65                       | 19.90                          | 19.84                        | 21                  | 3        |  |
| 1.4           | 256QAM     | 1       | 0         | 17.62                       | 17.72                          | 17.68                        |                     |          |  |
| 1.4           | 256QAM     | 1       | 3         | 17.49                       | 17.78                          | 17.85                        |                     |          |  |
| 1.4           | 256QAM     | 1       | 5         | 17.73                       | 17.88                          | 17.85                        |                     |          |  |
| 1.4           | 256QAM     | 3       | 0         | 17.59                       | 17.57                          | 17.78                        | 19                  | 5        |  |
| 1.4           | 256QAM     | 3       | 1         | 17.67                       | 17.80                          | 17.94                        |                     |          |  |
| 1.4           | 256QAM     | 3       | 1         | 17.72                       | 17.72                          | 17.78                        |                     |          |  |
| 1.4           | 256QAM     | 3       | 8         | 17.72                       | 17.78                          | 17.78                        |                     |          |  |

| GSM1900 Ant 1   |  | Burst Average Power (dbm) |       |        | Turn-up<br>Limit<br>(dbm) | Frame-Average Power (dbm) |       |        | Turn-up<br>Limit<br>(dbm) |
|-----------------|--|---------------------------|-------|--------|---------------------------|---------------------------|-------|--------|---------------------------|
| TX Channel      |  | 512                       | 661   | 810    |                           | 512                       | 661   | 810    |                           |
| Frequency (MHz) |  | 1850.2                    | 1850  | 1850.8 |                           | 1850.2                    | 1850  | 1850.8 |                           |
| GSM 1 Tx slot   |  | 29.15                     | 29.16 | 29.09  | 30.50                     | 20.15                     | 20.16 | 20.09  | 21.50                     |
| GPRS 1 Tx slot  |  | 29.12                     | 29.14 | 29.05  | 30.50                     | 20.12                     | 20.14 | 20.05  | 21.50                     |
| GPRS 2 Tx slots |  | 25.66                     | 25.63 | 25.61  | 26.50                     | 19.60                     | 19.63 | 19.61  | 20.50                     |
| GPRS 3 Tx slots |  | 23.92                     | 23.73 | 23.93  | 25.00                     | 19.66                     | 19.47 | 19.67  | 20.74                     |
| GPRS 4 Tx slots |  | 22.30                     | 22.37 | 22.38  | 23.50                     | 19.30                     | 19.37 | 19.38  | 20.50                     |
| EDGE 1 Tx slot  |  | 25.37                     | 25.19 | 25.38  | 26.50                     | 16.37                     | 16.19 | 16.38  | 17.50                     |
| EDGE 2 Tx slots |  | 23.65                     | 23.64 | 23.75  | 24.50                     | 17.65                     | 17.64 | 17.75  | 18.50                     |
| EDGE 3 Tx slots |  | 21.78                     | 21.76 | 21.81  | 23.00                     | 17.52                     | 17.50 | 17.55  | 18.74                     |
| EDGE 4 Tx slots |  | 19.85                     | 19.69 | 19.68  | 21.00                     | 16.85                     | 16.69 | 16.68  | 18.00                     |

  

| Band            |  | WCDMA 1 Ant 1     |       |        | Turn-up<br>Limit<br>(dbm) | WCDMA 1 Ant 1 |        |        | Turn-up<br>Limit<br>(dbm) |
|-----------------|--|-------------------|-------|--------|---------------------------|---------------|--------|--------|---------------------------|
| TX Channel      |  | 9262              | 9400  | 9538   |                           | 1312          | 1413   | 1513   |                           |
| Rx Channel      |  | 9662              | 9800  | 9938   |                           | 1537          | 1638   | 1738   |                           |
| Frequency (MHz) |  | 1522.4            | 1530  | 1537.6 |                           | 1722.4        | 1732.6 | 1742.6 |                           |
| 3GPP Rel 98     |  | 21.58             | 21.68 | 21.60  | 23.30                     | 22.83         | 22.70  | 22.72  | 24.00                     |
| 3GPP Rel 99     |  | RMC 12.2Kbps      | 21.81 | 21.86  | 21.79                     | 23.30         | 22.87  | 22.92  | 22.89                     |
| 3GPP Rel 6      |  | HSDPA Subtest-1   | 20.74 | 20.89  | 20.58                     | 22.30         | 21.75  | 21.73  | 21.84                     |
| 3GPP Rel 6      |  | HSDPA Subtest-2   | 20.69 | 20.94  | 20.69                     | 22.30         | 21.83  | 21.75  | 21.75                     |
| 3GPP Rel 6      |  | HSDPA Subtest-3   | 20.33 | 20.47  | 20.40                     | 21.80         | 21.33  | 21.49  | 21.47                     |
| 3GPP Rel 6      |  | HSDPA Subtest-4   | 20.35 | 20.48  | 20.33                     | 21.80         | 21.29  | 21.43  | 21.42                     |
| 3GPP Rel 8      |  | DCHSDPA Subtest-1 | 20.80 | 20.69  | 20.84                     | 22.30         | 21.74  | 21.90  | 21.86                     |
| 3GPP Rel 8      |  | DCHSDPA Subtest-2 | 20.77 | 20.96  | 20.79                     | 22.30         | 21.68  | 21.62  | 21.76                     |
| 3GPP Rel 8      |  | DCHSDPA Subtest-3 | 20.32 | 20.47  | 20.48                     | 21.80         | 21.25  | 21.46  | 21.45                     |
| 3GPP Rel 8      |  | DCHSDPA Subtest-4 | 20.51 | 20.57  | 20.35                     | 21.80         | 21.29  | 21.37  | 21.27                     |
| 3GPP Rel 6      |  | HSUPA Subtest-1   | 20.63 | 20.88  | 20.62                     | 22.30         | 21.74  | 21.80  | 21.76                     |
| 3GPP Rel 6      |  | HSUPA Subtest-2   | 18.85 | 18.77  | 18.73                     | 20.30         | 19.83  | 19.82  | 19.76                     |
| 3GPP Rel 6      |  | HSUPA Subtest-3   | 19.91 | 19.50  | 19.94                     | 21.30         | 20.83  | 20.86  | 20.92                     |
| 3GPP Rel 6      |  | HSUPA Subtest-4   | 18.62 | 18.67  | 18.68                     | 20.30         | 19.95  | 19.93  | 19.86                     |
| 3GPP Rel 6      |  | HSUPA Subtest-5   | 20.79 | 20.62  | 20.76                     | 22.30         | 21.68  | 21.79  | 21.85                     |

| Band 2 Ant 1    |            |         |           |                      |                      |                       |                    |          |      |   |  |  |  |  |
|-----------------|------------|---------|-----------|----------------------|----------------------|-----------------------|--------------------|----------|------|---|--|--|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Mid Ch / Freq. | Power High Ch / Freq. | Turn-on time (sec) | MPR (dB) |      |   |  |  |  |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |      |   |  |  |  |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |      |   |  |  |  |  |
| 20              | QPSK       | 1       | 0         | 22.21                | 22.25                | 22.08                 | 23.5               | 0        |      |   |  |  |  |  |
| 20              | QPSK       | 1       | 49        | 22.09                | 22.07                | 22.10                 |                    |          |      |   |  |  |  |  |
| 20              | QPSK       | 1       | 99        | 21.99                | 21.94                | 21.97                 |                    |          |      |   |  |  |  |  |
| 20              | QPSK       | 50      | 0         | 21.80                | 21.84                | 21.74                 |                    |          |      |   |  |  |  |  |
| 20              | QPSK       | 50      | 24        | 21.83                | 21.84                | 21.82                 |                    |          |      |   |  |  |  |  |
| 20              | HQDM       | 1       | 0         | 21.78                | 21.86                | 21.82                 | 23                 | 0.5      |      |   |  |  |  |  |
| 20              | HQDM       | 1       | 49        | 21.81                | 21.76                | 21.73                 |                    |          |      |   |  |  |  |  |
| 20              | HQDM       | 1       | 99        | 21.83                | 21.68                | 21.71                 |                    |          |      |   |  |  |  |  |
| 20              | HQDM       | 50      | 0         | 20.68                | 20.76                | 20.83                 |                    |          |      |   |  |  |  |  |
| 20              | HQDM       | 50      | 24        | 20.64                | 20.64                | 20.74                 |                    |          |      |   |  |  |  |  |
| 20              | HQDM       | 50      | 50        | 20.66                | 20.71                | 20.74                 | 22                 | 1.5      |      |   |  |  |  |  |
| 20              | HQDM       | 100     | 0         | 20.74                | 20.64                | 20.75                 |                    |          |      |   |  |  |  |  |
| 20              | HQDM       | 1       | 49        | 20.66                | 20.71                | 20.81                 |                    |          |      |   |  |  |  |  |
| 20              | HQDM       | 1       | 99        | 20.64                | 20.60                | 20.66                 |                    |          |      |   |  |  |  |  |
| 20              | HQDM       | 50      | 0         | 19.79                | 19.81                | 19.83                 |                    |          |      |   |  |  |  |  |
| 20              | HQDM       | 50      | 24        | 19.75                | 19.76                | 19.83                 | 21                 | 2.5      |      |   |  |  |  |  |
| 20              | HQDM       | 50      | 50        | 19.69                | 19.83                | 19.78                 |                    |          |      |   |  |  |  |  |
| 20              | HQDM       | 100     | 0         | 19.81                | 19.64                | 19.70                 |                    |          |      |   |  |  |  |  |
| 20              | HQDM       | 1       | 0         | 17.70                | 17.73                | 17.71                 |                    |          |      |   |  |  |  |  |
| 20              | HQDM       | 1       | 49        | 17.77                | 17.67                | 17.68                 |                    |          |      |   |  |  |  |  |
| 20              | HQDM       | 1       | 99        | 17.83                | 17.77                | 17.80                 | 19                 | 4.5      |      |   |  |  |  |  |
| 20              | HQDM       | 50      | 0         | 17.63                | 17.75                | 17.79                 |                    |          |      |   |  |  |  |  |
| 20              | HQDM       | 50      | 24        | 17.67                | 17.69                | 17.74                 |                    |          |      |   |  |  |  |  |
| 20              | HQDM       | 50      | 50        | 17.77                | 17.69                | 17.73                 |                    |          |      |   |  |  |  |  |
| 20              | HQDM       | 100     | 0         | 17.74                | 17.69                | 17.74                 |                    |          |      |   |  |  |  |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |      |   |  |  |  |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |      |   |  |  |  |  |
| 15              | QPSK       | 1       | 0         | 19.07                | 19.05                | 19.05                 | 23.5               | 0        |      |   |  |  |  |  |
| 15              | QPSK       | 1       | 49        | 22.30                | 22.25                | 22.05                 |                    |          |      |   |  |  |  |  |
| 15              | QPSK       | 1       | 99        | 22.19                | 22.12                | 22.11                 |                    |          |      |   |  |  |  |  |
| 15              | QPSK       | 1       | 74        | 22.01                | 21.94                | 22.05                 |                    |          |      |   |  |  |  |  |
| 15              | QPSK       | 36      | 0         | 21.76                | 21.67                | 21.68                 |                    |          |      |   |  |  |  |  |
| 15              | QPSK       | 36      | 36        | 21.78                | 21.63                | 21.70                 | 23                 | 0.5      |      |   |  |  |  |  |
| 15              | QPSK       | 36      | 36        | 21.64                | 21.50                | 21.68                 |                    |          |      |   |  |  |  |  |
| 15              | QPSK       | 75      | 0         | 21.68                | 21.71                | 21.81                 |                    |          |      |   |  |  |  |  |
| 15              | HQDM       | 1       | 0         | 21.79                | 21.81                | 21.81                 |                    |          |      |   |  |  |  |  |
| 15              | HQDM       | 1       | 37        | 21.81                | 21.71                | 21.52                 |                    |          |      |   |  |  |  |  |
| 15              | HQDM       | 1       | 74        | 21.77                | 21.73                | 21.72                 | 23                 | 0.5      |      |   |  |  |  |  |
| 15              | HQDM       | 36      | 0         | 20.84                | 20.81                | 20.79                 |                    |          |      |   |  |  |  |  |
| 15              | HQDM       | 36      | 36        | 20.46                | 20.59                | 20.71                 |                    |          |      |   |  |  |  |  |
| 15              | HQDM       | 36      | 36        | 20.64                | 20.60                | 20.66                 |                    |          |      |   |  |  |  |  |
| 15              | HQDM       | 75      | 0         | 20.63                | 20.60                | 20.55                 |                    |          |      |   |  |  |  |  |
| 15              | HQDM       | 1       | 0         | 20.64                | 20.75                | 20.83                 | 22                 | 1.5      |      |   |  |  |  |  |
| 15              | HQDM       | 1       | 37        | 20.45                | 20.57                | 20.77                 |                    |          |      |   |  |  |  |  |
| 15              | HQDM       | 1       | 74        | 20.51                | 20.55                | 20.53                 |                    |          |      |   |  |  |  |  |
| 15              | HQDM       | 36      | 0         | 19.79                | 19.71                | 19.82                 |                    |          |      |   |  |  |  |  |
| 15              | HQDM       | 36      | 36        | 19.80                | 19.73                | 19.83                 |                    |          |      |   |  |  |  |  |
| 15              | HQDM       | 36      | 36        | 19.69                | 19.75                | 19.72                 | 21                 | 2.5      |      |   |  |  |  |  |
| 15              | HQDM       | 75      | 0         | 19.73                | 19.60                | 19.62                 |                    |          |      |   |  |  |  |  |
| 15              | HQDM       | 1       | 0         | 17.73                | 17.69                | 17.69                 |                    |          |      |   |  |  |  |  |
| 15              | HQDM       | 1       | 37        | 17.71                | 17.61                | 17.50                 |                    |          |      |   |  |  |  |  |
| 15              | HQDM       | 1       | 74        | 17.70                | 17.70                | 17.77                 |                    |          |      |   |  |  |  |  |
| 15              | HQDM       | 36      | 0         | 17.68                | 17.67                | 17.63                 | 19                 | 4.5      |      |   |  |  |  |  |
| 15              | HQDM       | 36      | 36        | 17.58                | 17.73                | 17.72                 |                    |          |      |   |  |  |  |  |
| 15              | HQDM       | 36      | 36        | 17.60                | 17.67                | 17.83                 |                    |          |      |   |  |  |  |  |
| 15              | HQDM       | 75      | 0         | 17.63                | 17.69                | 17.68                 |                    |          |      |   |  |  |  |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |      |   |  |  |  |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |      |   |  |  |  |  |
| 10              | QPSK       | 1       | 0         | 19.05                | 19.05                | 19.05                 | 23.5               | 0        |      |   |  |  |  |  |
| 10              | QPSK       | 1       | 25        | 22.23                | 22.09                | 22.05                 |                    |          |      |   |  |  |  |  |
| 10              | QPSK       | 1       | 49        | 21.96                | 21.91                | 21.92                 |                    |          |      |   |  |  |  |  |
| 10              | QPSK       | 25      | 0         | 21.68                | 21.68                | 21.68                 |                    |          |      |   |  |  |  |  |
| 10              | QPSK       | 25      | 12        | 21.75                | 21.62                | 21.71                 |                    |          |      |   |  |  |  |  |
| 10              | QPSK       | 25      | 25        | 21.63                | 21.53                | 21.69                 | 23                 | 0.5      |      |   |  |  |  |  |
| 10              | QPSK       | 50      | 0         | 21.67                | 21.67                | 21.67                 |                    |          |      |   |  |  |  |  |
| 10              | HQDM       | 1       | 0         | 21.70                | 21.84                | 21.81                 |                    |          |      |   |  |  |  |  |
| 10              | HQDM       | 1       | 25        | 21.69                | 21.66                | 21.68                 |                    |          |      |   |  |  |  |  |
| 10              | HQDM       | 1       | 49        | 21.68                | 21.67                | 21.67                 |                    |          |      |   |  |  |  |  |
| 10              | HQDM       | 25      | 0         | 20.48                | 20.59                | 20.64                 | 22                 | 1.5      |      |   |  |  |  |  |
| 10              | HQDM       | 25      | 12        | 20.43                | 20.42                | 20.39                 |                    |          |      |   |  |  |  |  |
| 10              | HQDM       | 50      | 0         | 20.62                | 20.50                | 20.64                 |                    |          |      |   |  |  |  |  |
| 10              | HQDM       | 50      | 0         | 20.59                | 20.45                | 20.58                 |                    |          |      |   |  |  |  |  |
| 10              | HQDM       | 1       | 0         | 20.61                | 20.68                | 20.58                 |                    |          |      |   |  |  |  |  |
| 10              | HQDM       | 1       | 0         | 20.53                | 20.57                | 20.58                 | 22                 | 1.5      |      |   |  |  |  |  |
| 10              | HQDM       | 1       | 49        | 20.51                | 20.61                | 20.56                 |                    |          |      |   |  |  |  |  |
| 10              | HQDM       | 25      | 0         | 19.78                | 19.73                | 19.50                 |                    |          |      |   |  |  |  |  |
| 10              | HQDM       | 25      | 12        | 19.76                | 19.61                | 19.64                 |                    |          |      |   |  |  |  |  |
| 10              | HQDM       | 25      | 25        | 19.63                | 19.67                | 19.63                 |                    |          |      |   |  |  |  |  |
| 10              | HQDM       | 50      | 0         | 19.73                | 19.64                | 19.52                 | 21                 | 2.5      |      |   |  |  |  |  |
| 10              | HQDM       | 50      | 0         | 17.71                | 17.69                | 17.69                 |                    |          |      |   |  |  |  |  |
| 10              | HQDM       | 1       | 25        | 17.73                | 17.69                | 17.52                 |                    |          |      |   |  |  |  |  |
| 10              | HQDM       | 1       | 49        | 17.65                | 17.75                | 17.61                 |                    |          |      |   |  |  |  |  |
| 10              | HQDM       | 25      | 0         | 17.55                | 17.49                | 17.57                 |                    |          |      |   |  |  |  |  |
| 10              | HQDM       | 25      | 12        | 17.63                | 17.58                | 17.52                 | 19                 | 4.5      |      |   |  |  |  |  |
| 10              | HQDM       | 25      | 25        | 17.59                | 17.61                | 17.62                 |                    |          |      |   |  |  |  |  |
| 10              | HQDM       | 50      | 0         | 17.67                | 17.69                | 17.58                 |                    |          |      |   |  |  |  |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |      |   |  |  |  |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |      |   |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 19.02                | 19.00                | 19.05                 | 23.5               | 0        |      |   |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 22.20                | 22.08                | 21.96                 |                    |          |      |   |  |  |  |  |
| 5               | QPSK       | 1       | 24        | 22.01                | 21.99                | 21.99                 |                    |          |      |   |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 21.77                | 21.68                | 21.68                 |                    |          |      |   |  |  |  |  |
| 5               | QPSK       | 12      | 7         | 21.75                | 21.57                | 21.64                 |                    |          |      |   |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 21.55                | 21.66                | 21.73                 | 23                 | 0.5      |      |   |  |  |  |  |
| 5               | QPSK       | 25      | 0         | 21.71                | 21.62                | 21.77                 |                    |          |      |   |  |  |  |  |
| 5               | HQDM       | 1       | 0         | 21.79                | 21.76                | 21.78                 |                    |          |      |   |  |  |  |  |
| 5               | HQDM       | 1       | 12        | 21.59                | 21.55                | 21.56                 |                    |          |      |   |  |  |  |  |
| 5               | HQDM       | 1       | 24        | 21.72                | 21.65                | 21.65                 |                    |          |      |   |  |  |  |  |
| 5               | HQDM       | 12      | 0         | 20.57                | 20.89                | 20.83                 | 22                 | 1.5      |      |   |  |  |  |  |
| 5               | HQDM       | 12      | 7         | 20.61                | 20.57                | 20.79                 |                    |          |      |   |  |  |  |  |
| 5               | HQDM       | 12      | 13        | 20.60                | 20.52                | 20.68                 |                    |          |      |   |  |  |  |  |
| 5               | HQDM       | 25      | 0         | 20.59                | 20.57                | 20.76                 |                    |          |      |   |  |  |  |  |
| 5               | HQDM       | 1       | 0         | 20.59                | 20.74                | 20.61                 |                    |          |      |   |  |  |  |  |
| 5               | HQDM       | 1       | 0         | 20.47                | 20.52                | 20.49                 | 22                 | 1.5      |      |   |  |  |  |  |
| 5               | HQDM       | 1       | 24        | 20.63                | 20.44                | 20.48                 |                    |          |      |   |  |  |  |  |
| 5               | HQDM       | 12      | 0         | 19.70                | 19.80                | 19.70                 |                    |          |      |   |  |  |  |  |
| 5               | HQDM       | 12      | 13        | 19.73                | 19.66                | 19.81                 |                    |          |      |   |  |  |  |  |
| 5               | HQDM       | 25      | 0         | 19.71                | 19.61                | 19.71                 |                    |          |      |   |  |  |  |  |
| 5               | HQDM       | 15      | 0         | 17.58                | 17.70                | 17.71                 | 19                 | 4.5      |      |   |  |  |  |  |
| 5               | HQDM       | 15      | 0         | 17.57                | 17.67                | 17.68                 | 19                 | 4.5      |      |   |  |  |  |  |
| 5               | HQDM       | 15      | 7         | 17.56                | 17.80                | 17.71                 |                    |          |      |   |  |  |  |  |
| 5               | HQDM       | 15      | 13        | 17.57                | 17.67                | 17.68                 |                    |          |      |   |  |  |  |  |
| 5               | HQDM       | 15      | 7         | 17.58                | 17.80                | 17.71                 |                    |          |      |   |  |  |  |  |
| 5               | HQDM       | 15      | 13        | 17.58                | 17.70                | 17.62                 |                    |          |      |   |  |  |  |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |      |   |  |  |  |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |      |   |  |  |  |  |
| 3               | QPSK       | 1       | 0         | 22.14                | 22.14                | 22.06                 | 23.5               | 0        |      |   |  |  |  |  |
| 3               | QPSK       | 1       | 8         | 22.16                | 22.01                | 21.97                 |                    |          |      |   |  |  |  |  |
| 3               | QPSK       | 1       | 16        | 22.00                | 21.98                | 21.98                 |                    |          |      |   |  |  |  |  |
| 3               | QPSK       | 8       | 0         | 21.69                | 21.79                | 21.84                 |                    |          |      |   |  |  |  |  |
| 3               | QPSK       | 8       | 4         | 21.84                | 21.60                | 21.59                 |                    |          |      |   |  |  |  |  |
| 3               | QPSK       | 8       | 12        | 21.61                | 21.57                | 21.67                 | 23                 | 0.5      |      |   |  |  |  |  |
| 3               | QPSK       | 15      | 0         | 21.88                | 21.78                | 21.87                 |                    |          |      |   |  |  |  |  |
| 3               | QPSK       | 15      | 8         | 21.89                | 21.66                | 21.66                 |                    |          |      |   |  |  |  |  |
| 3               | HQDM       | 1       | 0         | 21.80                | 21.69                | 21.80                 |                    |          |      |   |  |  |  |  |
| 3               | HQDM       | 1       | 14        | 21.63                | 21.51                | 21.65                 |                    |          |      |   |  |  |  |  |
| 3               | HQDM       | 1       | 16        | 20.69                | 20.64                | 20.76                 | 22                 | 1.5      |      |   |  |  |  |  |
| 3               | HQDM       | 8       | 0         | 20.61                | 20.63                | 20.63                 |                    |          |      |   |  |  |  |  |
| 3               | HQDM       | 8       | 7         | 20.69                | 20.58                | 20.61                 |                    |          |      |   |  |  |  |  |
| 3               | HQDM       | 15      | 0         | 20.59                | 20.58                | 20.61                 |                    |          |      |   |  |  |  |  |
| 3               | HQDM       | 15      | 8         | 20.60                | 20.57                | 20.62                 |                    |          |      |   |  |  |  |  |
| 3               | HQDM       | 1       | 8         | 20.66                | 20.53                | 20.57                 | 22                 | 1.5      |      |   |  |  |  |  |
| 3               | HQDM       | 1       | 16        | 20.43                | 20.31                | 20.30                 |                    |          |      |   |  |  |  |  |
| 3               | HQDM       | 8       | 0         | 19.58                | 19.65                | 19.82                 |                    |          |      |   |  |  |  |  |
| 3               | HQDM       | 8       | 7         | 19.58                | 19.61                | 19.71                 |                    |          |      |   |  |  |  |  |
| 3               | HQDM       | 15      | 0         | 19.68                | 19.58                | 19.58                 |                    |          |      |   |  |  |  |  |
| 3               | HQDM       | 1       | 0         | 17.52                | 17.65                | 17.65                 | 19                 | 4.5      |      |   |  |  |  |  |
| 3               | HQDM       | 1       | 16        | 17.61                | 17.62                | 17.62                 |                    |          |      |   |  |  |  |  |
| 3               | HQDM       | 8       | 0         | 17.64                | 17.69                | 17.69                 |                    |          |      |   |  |  |  |  |
| 3               | HQDM       | 8       | 7         | 17.58                | 17.61                | 17.63                 |                    |          |      |   |  |  |  |  |
| 3               | HQDM       | 15      | 0         | 17.63                | 17.62                | 17.73                 |                    |          |      |   |  |  |  |  |
| 3               | HQDM       | 15      | 0         | 17.76                | 17.46                | 17.55                 | 19                 | 4.5      |      |   |  |  |  |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |      |   |  |  |  |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |      |   |  |  |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.23                | 22.12                | 21.97                 |                    |          | 23.5 | 0 |  |  |  |  |
| 1.4             | QPSK       | 1       | 8         | 22.08                | 22.01                | 21.96                 |                    |          |      |   |  |  |  |  |
| 1.4             | QPSK       | 1       | 16        | 22.05                | 22.04                | 21.98                 |                    |          |      |   |  |  |  |  |
| 1.4             | QPSK       | 3       | 0         | 21.66                | 22.09                | 22.06                 |                    |          |      |   |  |  |  |  |
| 1.4             | QPSK       | 3       | 8         | 22.23                | 22.12                | 22.06                 |                    |          |      |   |  |  |  |  |
| 1.4             | QPSK       | 3       | 16        | 22.04                | 21.95                | 21.98                 | 23                 | 0.5      |      |   |  |  |  |  |
| 1.4             | QPSK       | 3       | 24        | 22.04                | 21.95                | 21.85                 |                    |          |      |   |  |  |  |  |
| 1.4             | QPSK       | 6       | 0         | 21.69                | 21.72                | 21.85                 |                    |          |      |   |  |  |  |  |
| 1.4             | HQDM       | 1       | 0         | 21.64                | 21.57                | 21.64                 |                    |          |      |   |  |  |  |  |
| 1.4             | HQDM       | 1       | 8         | 21.62                | 21.48                | 21.65                 |                    |          |      |   |  |  |  |  |
| 1.4             | HQDM       | 1       | 16        | 21.62                | 21.62                | 21.62                 | 23                 | 0.5      |      |   |  |  |  |  |
| 1.4             | HQDM       | 3       | 0         | 20.75                | 20.63                | 20.63                 |                    |          |      |   |  |  |  |  |
| 1.4             | HQDM       | 3       | 1         | 21.60                | 21.79                | 21.82                 |                    |          |      |   |  |  |  |  |
| 1.4             | HQDM       | 3       | 16        | 21.69                | 21.79                | 21.69                 |                    |          |      |   |  |  |  |  |
| 1.4             | HQDM       | 6       | 0         | 20.56                | 20.61                | 20.73                 |                    |          |      |   |  |  |  |  |
| 1.4             | HQDM       | 3       | 0         | 20.56                | 20.61                | 20.73                 | 22                 | 1.5      |      |   |  |  |  |  |
| 1.4             | HQDM       | 3       | 8         | 20.59                | 20.57                | 20.62                 |                    |          |      |   |  |  |  |  |
| 1.4             | HQDM       | 3       | 16        | 20.60                | 20.64                | 20.75                 |                    |          |      |   |  |  |  |  |
| 1.4             | HQDM       | 6       | 0         | 20.61                | 20.58                | 20.66                 |                    |          |      |   |  |  |  |  |
| 1.4             | HQDM       | 6       | 8         | 20.45                | 20.38                | 20.51                 |                    |          |      |   |  |  |  |  |
| 1.4             | HQDM       | 3       | 0         | 19.68                | 19.61                | 19.60                 | 21                 | 2.5      |      |   |  |  |  |  |
| 1.4             | HQDM       | 3       | 8         | 19.68                | 19.61                | 19.62                 |                    |          |      |   |  |  |  |  |
| 1.4             | HQDM       | 3       | 16        | 19.67                | 19.45                | 19.62                 |                    |          |      |   |  |  |  |  |
| 1.4             | HQDM       | 6       | 0         | 17.65                | 17.77                | 17.74                 |                    |          |      |   |  |  |  |  |
| 1.4             | HQDM       | 6       | 8         | 17.74                | 17.61                | 17.74                 |                    |          |      |   |  |  |  |  |
| 1.4             | HQDM       | 3       | 1         | 17.61                | 17.74                | 17.63                 | 19                 | 4.5      |      |   |  |  |  |  |
| 1.4             | HQDM       | 3       | 16        | 17.52                | 17.67                | 17.89                 |                    |          |      |   |  |  |  |  |
| 1.4             | HQDM       | 6       | 0         | 17.63                | 17.49                | 17.69                 |                    |          |      |   |  |  |  |  |
| 1.4             | HQDM       | 6       | 8         | 17.63                | 17.49                | 17.69                 |                    |          |      |   |  |  |  |  |
| 1.4             | HQDM       | 6       | 16        | 17.63                | 17.49                | 17.69                 |                    |          |      |   |  |  |  |  |

| Band 25 Ant 1      |            |         |           |                      |                         |                       |              |          |    |   | Band 66 Ant 1           |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
|--------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|--------------|----------|----|---|-------------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|--------------|----------|-------|-------|----|---|----|---|
| BW (MHz)           | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Middle Ch / Freq. | Power High Ch / Freq. | Turn-up (dB) | MPR (dB) |    |   | BW (MHz)                | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Middle Ch / Freq. | Power High Ch / Freq. | Turn-up (dB) | MPR (dB) |       |       |    |   |    |   |
| Channel            |            |         |           |                      |                         |                       |              |          |    |   | Channel                 |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 1800 1880 1900     |            |         |           |                      |                         |                       |              |          |    |   | 13007.2 13532.2 13557.2 |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 20                 | QPSK       | 1       | 0         | 22.31                | 22.34                   | 22.21                 | 23.5         | 0        | 24 | 0 | 20                      | QPSK       | 1       | 0         | 22.70                | 22.67                   | 22.68                 | 24           | 0        | 24    | 0     |    |   |    |   |
| 10                 | QPSK       | 1       | 49        | 22.24                | 22.12                   | 22.14                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | QPSK       | 1       | 99        | 22.10                | 22.11                   | 22.06                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | QPSK       | 50      | 0         | 21.82                | 21.87                   | 21.78                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | QPSK       | 50      | 24        | 21.81                | 21.87                   | 21.83                 | 23           | 0.5      | 23 | 1 | 20                      | QPSK       | 50      | 24        | 21.83                | 21.82                   | 21.78                 |              |          |       |       |    |   |    |   |
| 10                 | QPSK       | 50      | 50        | 21.68                | 21.76                   | 21.77                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | QPSK       | 100     | 0         | 21.78                | 21.82                   | 21.76                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 1       | 0         | 21.83                | 21.87                   | 21.87                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 1       | 49        | 21.86                | 21.70                   | 21.86                 | 23           | 0.5      | 23 | 1 | 20                      | 16QAM      | 1       | 0         | 21.86                | 21.80                   | 21.83                 |              |          |       |       |    |   |    |   |
| 10                 | 16QAM      | 1       | 99        | 21.87                | 21.83                   | 21.76                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 50      | 0         | 20.60                | 20.75                   | 20.70                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 50      | 24        | 20.76                | 20.60                   | 20.71                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 50      | 50        | 20.73                | 20.76                   | 20.71                 | 22           | 1.5      | 22 | 2 | 20                      | 16QAM      | 50      | 50        | 20.80                | 20.85                   | 20.73                 |              |          |       |       |    |   |    |   |
| 10                 | 16QAM      | 100     | 0         | 20.69                | 20.59                   | 20.60                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 1       | 0         | 20.73                | 20.60                   | 20.60                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 1       | 49        | 20.61                | 20.65                   | 20.71                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 1       | 99        | 20.78                | 20.59                   | 20.72                 | 21           | 2.5      | 21 | 3 | 20                      | 16QAM      | 1       | 99        | 20.72                | 20.70                   | 20.88                 |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 50      | 0         | 19.82                | 19.66                   | 19.76                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 50      | 24        | 19.74                | 19.61                   | 19.79                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 50      | 50        | 19.76                | 19.75                   | 19.78                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 100     | 0         | 19.80                | 19.72                   | 19.68                 | 19           | 4.5      | 19 | 5 | 20                      | 16QAM      | 50      | 50        | 19.76                | 19.84                   | 19.99                 |              |          |       |       |    |   |    |   |
| 10                 | 256QAM     | 1       | 49        | 17.82                | 17.87                   | 17.78                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 256QAM     | 1       | 99        | 17.75                | 17.80                   | 17.79                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 256QAM     | 50      | 0         | 17.75                | 17.80                   | 17.80                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 256QAM     | 50      | 24        | 17.85                | 17.89                   | 17.88                 | 19           | 4.5      | 19 | 5 | 20                      | 256QAM     | 1       | 49        | 17.80                | 17.87                   | 17.77                 |              |          |       |       |    |   |    |   |
| 10                 | 256QAM     | 50      | 50        | 17.86                | 17.81                   | 17.81                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 256QAM     | 100     | 0         | 17.87                | 17.87                   | 17.87                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| Channel            |            |         |           |                      |                         |                       |              |          |    |   | Channel                 |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 1897.5 1880 1907.5 |            |         |           |                      |                         |                       |              |          |    |   | 13507.2 13532.2 13557.2 |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | QPSK       | 1       | 0         | 22.21                | 22.20                   | 22.14                 | 23.5         | 0        | 24 | 0 | 15                      | QPSK       | 1       | 0         | 22.74                | 22.65                   | 22.81                 | 24           | 0        | 24    | 0     |    |   |    |   |
| 10                 | QPSK       | 1       | 37        | 22.12                | 22.20                   | 22.16                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | QPSK       | 1       | 74        | 22.14                | 22.08                   | 22.17                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | QPSK       | 36      | 0         | 21.73                | 21.87                   | 21.81                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | QPSK       | 36      | 24        | 21.87                | 21.85                   | 21.82                 | 23           | 0.5      | 23 | 1 | 15                      | QPSK       | 36      | 0         | 21.83                | 21.74                   | 21.73                 |              |          |       |       |    |   |    |   |
| 10                 | QPSK       | 36      | 39        | 21.58                | 21.62                   | 21.58                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | QPSK       | 75      | 0         | 21.61                | 21.66                   | 21.60                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 1       | 1         | 21.69                | 21.78                   | 21.69                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 1       | 37        | 21.87                | 21.59                   | 21.81                 | 23           | 0.5      | 23 | 1 | 15                      | QPSK       | 75      | 0         | 21.63                | 21.71                   | 21.68                 |              |          |       |       |    |   |    |   |
| 10                 | 16QAM      | 1       | 74        | 21.73                | 21.60                   | 21.68                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 36      | 0         | 20.49                | 20.63                   | 20.64                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 36      | 24        | 20.72                | 20.42                   | 20.68                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 36      | 39        | 20.65                | 20.59                   | 20.59                 | 22           | 1.5      | 22 | 2 | 15                      | 16QAM      | 36      | 39        | 20.72                | 20.77                   | 20.81                 |              |          |       |       |    |   |    |   |
| 10                 | 16QAM      | 75      | 0         | 20.55                | 20.39                   | 20.50                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 1       | 0         | 20.73                | 20.58                   | 20.48                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 1       | 37        | 20.49                | 20.45                   | 20.46                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 1       | 74        | 20.76                | 20.47                   | 20.53                 | 21           | 2.5      | 21 | 3 | 15                      | 16QAM      | 1       | 74        | 20.76                | 20.58                   | 20.70                 |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 36      | 0         | 19.69                | 19.62                   | 19.61                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 36      | 24        | 19.81                | 19.71                   | 19.83                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 36      | 39        | 19.09                | 19.02                   | 19.04                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 75      | 0         | 19.69                | 19.64                   | 19.61                 | 19           | 4.5      | 19 | 5 | 15                      | 256QAM     | 1       | 0         | 17.87                | 17.89                   | 17.85                 |              |          |       |       |    |   |    |   |
| 10                 | 256QAM     | 1       | 37        | 17.85                | 17.85                   | 17.71                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 256QAM     | 1       | 74        | 17.84                | 17.84                   | 17.78                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 256QAM     | 36      | 0         | 17.72                | 17.71                   | 17.83                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 256QAM     | 36      | 24        | 17.79                | 17.87                   | 17.87                 | 19           | 4.5      | 19 | 5 | 15                      | 256QAM     | 36      | 24        | 17.87                | 17.94                   | 17.87                 |              |          |       |       |    |   |    |   |
| 10                 | 256QAM     | 36      | 39        | 17.88                | 17.89                   | 17.80                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 256QAM     | 75      | 0         | 17.86                | 17.78                   | 17.78                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| Channel            |            |         |           |                      |                         |                       |              |          |    |   | Channel                 |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 1895 1895 1910     |            |         |           |                      |                         |                       |              |          |    |   | 13507.2 13532.2 13567.2 |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 10                 | QPSK       | 1       | 0         | 22.18                | 22.28                   | 22.27                 | 23.5         | 0        | 24 | 0 | 10                      | QPSK       | 1       | 0         | 22.69                | 22.92                   | 22.77                 | 24           | 0        | 24    | 0     |    |   |    |   |
| 5                  | QPSK       | 1       | 25        | 22.22                | 22.09                   | 22.24                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 10                 | QPSK       | 1       | 49        | 22.12                | 22.18                   | 22.17                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | QPSK       | 25      | 0         | 21.83                | 21.70                   | 21.72                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 10                 | QPSK       | 25      | 13        | 21.69                | 21.54                   | 21.70                 | 23           | 0.5      | 23 | 1 | 10                      | QPSK       | 25      | 0         | 21.86                | 21.82                   | 21.79                 |              |          |       |       |    |   |    |   |
| 5                  | QPSK       | 25      | 25        | 21.64                | 21.66                   | 21.78                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 10                 | 16QAM      | 1       | 0         | 21.87                | 21.92                   | 21.87                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 10                 | 16QAM      | 1       | 0         | 21.66                | 21.69                   | 21.69                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 1       | 25        | 21.75                | 21.54                   | 21.76                 | 23           | 0.5      | 23 | 1 | 10                      | 16QAM      | 1       | 25        | 21.71                | 21.79                   | 21.68                 |              |          |       |       |    |   |    |   |
| 10                 | 16QAM      | 1       | 74        | 21.79                | 21.68                   | 21.68                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 25      | 0         | 20.47                | 20.64                   | 20.50                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 25      | 12        | 20.65                | 20.57                   | 20.61                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 36      | 0         | 20.60                | 20.70                   | 20.78                 | 22           | 1.5      | 22 | 2 | 10                      | 16QAM      | 36      | 0         | 20.78                | 20.69                   | 20.78                 |              |          |       |       |    |   |    |   |
| 10                 | 16QAM      | 50      | 0         | 20.58                | 20.47                   | 20.55                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 1       | 0         | 20.64                | 20.56                   | 20.45                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 1       | 37        | 20.50                | 20.43                   | 20.41                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 1       | 49        | 20.70                | 20.48                   | 20.56                 | 22           | 1.5      | 22 | 2 | 10                      | 16QAM      | 50      | 0         | 20.87                | 20.60                   | 20.71                 |              |          |       |       |    |   |    |   |
| 10                 | 16QAM      | 25      | 0         | 19.70                | 19.48                   | 19.58                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 25      | 13        | 19.66                | 19.48                   | 19.70                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 10                 | 16QAM      | 25      | 25        | 19.68                | 19.68                   | 19.63                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 50      | 0         | 19.66                | 19.69                   | 19.50                 | 21           | 2.5      | 21 | 3 | 10                      | 16QAM      | 50      | 0         | 19.85                | 19.92                   | 19.82                 |              |          |       |       |    |   |    |   |
| 10                 | 256QAM     | 1       | 0         | 17.65                | 17.73                   | 17.63                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 256QAM     | 1       | 26        | 17.96                | 17.71                   | 17.70                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 256QAM     | 1       | 49        | 17.70                | 17.73                   | 17.86                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 256QAM     | 25      | 0         | 17.72                | 17.81                   | 17.83                 | 19           | 4.5      | 19 | 5 | 10                      | 256QAM     | 1       | 26        | 17.88                | 17.78                   | 17.78                 |              |          |       |       |    |   |    |   |
| 10                 | 256QAM     | 25      | 12        | 17.82                | 17.84                   | 17.86                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 256QAM     | 25      | 25        | 17.82                | 17.83                   | 17.71                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 256QAM     | 50      | 0         | 17.83                | 17.82                   | 17.85                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| Channel            |            |         |           |                      |                         |                       |              |          |    |   | Channel                 |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 1895 1895 1910     |            |         |           |                      |                         |                       |              |          |    |   | 13507.2 13532.2 13567.2 |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | QPSK       | 1       | 0         | 22.29                | 22.29                   | 22.29                 | 23.5         | 0        | 24 | 0 | 5                       | QPSK       | 1       | 0         | 22.75                | 22.72                   | 22.75                 | 24           | 0        | 24    | 0     |    |   |    |   |
| 10                 | QPSK       | 1       | 12        | 22.17                | 22.09                   | 22.13                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | QPSK       | 1       | 24        | 22.17                | 22.29                   | 22.13                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | QPSK       | 12      | 0         | 21.76                | 21.70                   | 21.61                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | QPSK       | 12      | 7         | 21.71                | 21.53                   | 21.89                 | 23           | 0.5      | 23 | 1 | 5                       | QPSK       | 12      | 7         | 21.81                | 21.70                   | 21.68                 |              |          |       |       |    |   |    |   |
| 5                  | QPSK       | 12      | 13        | 21.69                | 21.57                   | 21.75                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | QPSK       | 25      | 0         | 21.62                | 21.70                   | 21.64                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 1       | 0         | 21.82                | 21.70                   | 21.89                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 1       | 12        | 21.84                | 21.65                   | 21.67                 | 23           | 0.5      | 23 | 1 | 5                       | 16QAM      | 1       | 12        | 21.86                | 21.77                   | 21.68                 |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 1       | 24        | 21.71                | 21.69                   | 21.71                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 12      | 0         | 20.44                | 20.72                   | 20.51                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 12      | 7         | 20.63                | 20.66                   | 20.70                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 15                 | 16QAM      | 12      | 13        | 20.55                | 20.40                   | 20.68                 | 22           | 1.5      | 22 | 2 | 5                       | 16QAM      | 12      | 13        | 20.77                | 20.68                   | 20.70                 |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 25      | 0         | 20.55                | 20.48                   | 20.36                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 1       | 0         | 20.71                | 20.57                   | 20.52                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 1       | 12        | 20.53                | 20.45                   | 20.60                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 1       | 24        | 20.56                | 20.49                   | 20.72                 | 22           | 1.5      | 22 | 2 | 5                       | 16QAM      | 1       | 24        | 20.83                | 20.57                   | 20.70                 |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 12      | 0         | 19.83                | 19.62                   | 19.67                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 12      | 7         | 19.57                | 19.60                   | 19.71                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 12      | 13        | 19.76                | 19.70                   | 19.79                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 16QAM      | 25      | 0         | 19.69                | 19.60                   | 19.63                 | 21           | 2.5      | 21 | 3 | 5                       | 16QAM      | 12      | 13        | 19.73                | 19.63                   | 19.80                 |              |          |       |       |    |   |    |   |
| 5                  | 256QAM     | 1       | 0         | 17.83                | 17.73                   | 17.84                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 256QAM     | 1       | 12        | 17.77                | 17.76                   | 17.69                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 256QAM     | 1       | 24        | 17.74                | 17.81                   | 17.58                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 256QAM     | 12      | 0         | 17.73                | 17.80                   | 17.80                 | 19           | 4.5      | 19 | 5 | 5                       | 256QAM     | 1       | 12        | 17.84                | 17.83                   | 17.72                 |              |          |       |       |    |   |    |   |
| 5                  | 256QAM     | 12      | 7         | 17.77                | 17.80                   | 17.82                 | 19           | 4.5      | 19 | 5 | 5                       | 256QAM     | 12      | 7         | 17.82                | 17.81                   | 17.78                 |              |          |       |       |    |   |    |   |
| 5                  | 256QAM     | 12      | 13        | 17.77                | 17.77                   | 17.83                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 5                  | 256QAM     | 25      | 0         | 17.76                | 17.76                   | 17.84                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| Channel            |            |         |           |                      |                         |                       |              |          |    |   | Channel                 |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 1897.5 1880 1907.5 |            |         |           |                      |                         |                       |              |          |    |   | 13507.2 13532.2 13567.2 |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 3                  | QPSK       | 1       | 0         | 22.17                | 22.27                   | 22.23                 |              |          |    |   | 23.5                    | 0          | 24      | 0         | 3                    | QPSK                    | 1                     | 0            | 22.73    | 22.86 | 22.85 | 24 | 0 | 24 | 0 |
| 3                  | QPSK       | 1       | 8         | 22.25                | 22.19                   | 22.33                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 3                  | QPSK       | 1       | 16        | 22.15                | 22.26                   | 22.30                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 3                  | QPSK       | 8       | 0         | 21.84                | 21.70                   | 21.74                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 3                  | QPSK       | 8       | 4         | 21.86                | 21.69                   | 21.73                 | 23           | 0.5      | 23 | 1 | 3                       | QPSK       | 8       | 4         | 21.83                | 21.78                   | 21.68                 |              |          |       |       |    |   |    |   |
| 3                  | QPSK       | 8       | 12        | 21.60                | 21.59                   | 21.70                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 3                  | QPSK       | 16      | 0         | 21.66                | 21.75                   | 21.68                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 3                  | 16QAM      | 1       | 0         | 21.79                | 21.73                   | 21.68                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 3                  | 16QAM      | 1       | 8         | 21.69                | 21.55                   | 21.66                 | 23           | 0.5      | 23 | 1 | 3                       | 16QAM      | 1       | 8         | 21.73                | 21.51                   | 21.66                 |              |          |       |       |    |   |    |   |
| 3                  | 16QAM      | 1       | 16        | 21.84                | 21.63                   | 21.71                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 3                  | 16QAM      | 8       | 0         | 20.50                | 20.67                   | 20.67                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 3                  | 16QAM      | 8       | 8         | 20.61                | 20.57                   | 20.68                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 3                  | 16QAM      | 8       | 16        | 20.53                | 20.57                   | 20.72                 | 22           | 2        | 22 | 2 | 3                       | 16QAM      | 8       | 16        | 20.89                | 20.97                   | 20.88                 |              |          |       |       |    |   |    |   |
| 3                  | 16QAM      | 15      | 0         | 20.67                | 20.50                   | 20.48                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 3                  | 16QAM      | 15      | 8         | 20.59                | 20.44                   | 20.48                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 3                  | 16QAM      | 1       | 0         | 20.50                | 20.62                   | 20.60                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 3                  | 16QAM      | 1       | 8         | 20.63                | 20.58                   | 20.52                 | 22           | 2        | 22 | 2 | 3                       | 16QAM      | 1       | 8         | 20.89                | 20.76                   | 20.83                 |              |          |       |       |    |   |    |   |
| 3                  | 16QAM      | 1       | 16        | 20.78                | 20.59                   | 20.68                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 3                  | 16QAM      | 8       | 0         | 19.68                | 19.68                   | 19.68                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 3                  | 16QAM      | 8       | 8         | 19.78                | 19.57                   | 19.69                 |              |          |    |   |                         |            |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |
| 3                  | 256QAM     | 1       | 0         | 17.70                | 17.71                   | 17.67                 | 19           | 4.5      | 19 | 5 | 3                       | 2          |         |           |                      |                         |                       |              |          |       |       |    |   |    |   |

| Band 38 Ant 1   |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|--|--|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |  |
| Channel         |            |         |           | 37650                 | 38000                    | 38150                  |                     |          |  |  |  |  |  |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |  |  |  |  |
| 20              | QPSK       | 1       | 0         | 22.96                 | 23.16                    | 23.13                  | 24                  | 0        |  |  |  |  |  |
| 20              | QPSK       | 1       | 49        | 22.96                 | 22.94                    | 22.89                  |                     |          |  |  |  |  |  |
| 20              | QPSK       | 1       | 99        | 22.85                 | 22.86                    | 22.86                  | 23                  | 1        |  |  |  |  |  |
| 20              | QPSK       | 50      | 0         | 21.96                 | 22.15                    | 21.98                  |                     |          |  |  |  |  |  |
| 20              | QPSK       | 50      | 24        | 21.95                 | 21.97                    | 21.88                  | 23                  | 1        |  |  |  |  |  |
| 20              | QPSK       | 50      | 50        | 21.90                 | 21.77                    | 22.13                  |                     |          |  |  |  |  |  |
| 20              | QPSK       | 100     | 0         | 21.97                 | 22.10                    | 22.00                  | 23                  | 1        |  |  |  |  |  |
| 20              | 16QAM      | 1       | 0         | 21.95                 | 21.80                    | 22.07                  |                     |          |  |  |  |  |  |
| 20              | 16QAM      | 1       | 49        | 21.81                 | 21.99                    | 22.04                  | 22                  | 2        |  |  |  |  |  |
| 20              | 16QAM      | 1       | 99        | 22.02                 | 22.00                    | 21.79                  |                     |          |  |  |  |  |  |
| 20              | 16QAM      | 50      | 0         | 20.80                 | 20.86                    | 20.86                  | 22                  | 2        |  |  |  |  |  |
| 20              | 16QAM      | 50      | 24        | 20.92                 | 20.57                    | 20.82                  |                     |          |  |  |  |  |  |
| 20              | 16QAM      | 50      | 50        | 20.90                 | 20.69                    | 20.81                  | 22                  | 2        |  |  |  |  |  |
| 20              | 16QAM      | 100     | 0         | 20.64                 | 20.90                    | 20.61                  |                     |          |  |  |  |  |  |
| 20              | 64QAM      | 1       | 0         | 20.66                 | 20.77                    | 20.71                  | 22                  | 2        |  |  |  |  |  |
| 20              | 64QAM      | 1       | 49        | 20.61                 | 20.78                    | 20.78                  |                     |          |  |  |  |  |  |
| 20              | 64QAM      | 1       | 99        | 20.72                 | 20.74                    | 20.93                  | 21                  | 3        |  |  |  |  |  |
| 20              | 64QAM      | 50      | 0         | 19.82                 | 19.85                    | 19.91                  |                     |          |  |  |  |  |  |
| 20              | 64QAM      | 50      | 24        | 19.95                 | 19.81                    | 19.76                  | 21                  | 3        |  |  |  |  |  |
| 20              | 64QAM      | 50      | 50        | 19.82                 | 19.68                    | 19.95                  |                     |          |  |  |  |  |  |
| 20              | 64QAM      | 100     | 0         | 19.75                 | 19.81                    | 19.72                  | 19                  | 5        |  |  |  |  |  |
| 20              | 256QAM     | 1       | 0         | 17.89                 | 17.87                    | 17.66                  |                     |          |  |  |  |  |  |
| 20              | 256QAM     | 1       | 49        | 17.90                 | 17.91                    | 17.86                  | 19                  | 5        |  |  |  |  |  |
| 20              | 256QAM     | 1       | 99        | 17.71                 | 17.76                    | 17.79                  |                     |          |  |  |  |  |  |
| 20              | 256QAM     | 50      | 0         | 17.83                 | 17.96                    | 17.74                  | 19                  | 5        |  |  |  |  |  |
| 20              | 256QAM     | 50      | 24        | 17.99                 | 17.96                    | 17.90                  |                     |          |  |  |  |  |  |
| 20              | 256QAM     | 50      | 50        | 17.76                 | 17.83                    | 17.69                  | 20                  | 2        |  |  |  |  |  |
| 20              | 256QAM     | 100     | 0         | 17.83                 | 17.80                    | 17.67                  |                     |          |  |  |  |  |  |
| Channel         |            |         |           | 37625                 | 38000                    | 38175                  |                     |          |  |  |  |  |  |
| Frequency (MHz) |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |  |  |  |  |  |
| 15              | QPSK       | 1       | 0         | 22.70                 | 22.80                    | 22.52                  | 24                  | 0        |  |  |  |  |  |
| 15              | QPSK       | 1       | 37        | 22.43                 | 22.60                    | 22.21                  |                     |          |  |  |  |  |  |
| 15              | QPSK       | 1       | 74        | 22.48                 | 22.27                    | 22.55                  | 23                  | 1        |  |  |  |  |  |
| 15              | QPSK       | 36      | 0         | 21.37                 | 21.53                    | 21.52                  |                     |          |  |  |  |  |  |
| 15              | QPSK       | 36      | 20        | 21.49                 | 21.44                    | 21.46                  | 23                  | 1        |  |  |  |  |  |
| 15              | QPSK       | 36      | 39        | 21.25                 | 21.40                    | 21.54                  |                     |          |  |  |  |  |  |
| 15              | QPSK       | 75      | 0         | 21.36                 | 21.46                    | 21.38                  | 23                  | 1        |  |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 21.46                 | 21.30                    | 21.47                  |                     |          |  |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 21.19                 | 21.54                    | 21.39                  | 23                  | 1        |  |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 21.47                 | 21.32                    | 21.29                  |                     |          |  |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 20.29                 | 20.33                    | 20.31                  | 22                  | 2        |  |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 20.34                 | 20.61                    | 20.32                  |                     |          |  |  |  |  |  |
| 15              | 16QAM      | 36      | 39        | 20.33                 | 20.20                    | 20.37                  | 22                  | 2        |  |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 20.25                 | 20.30                    | 20.15                  |                     |          |  |  |  |  |  |
| 15              | 64QAM      | 1       | 0         | 20.10                 | 20.30                    | 20.17                  | 22                  | 2        |  |  |  |  |  |
| 15              | 64QAM      | 1       | 37        | 20.05                 | 20.08                    | 20.37                  |                     |          |  |  |  |  |  |
| 15              | 64QAM      | 1       | 74        | 20.40                 | 20.36                    | 20.44                  | 21                  | 3        |  |  |  |  |  |
| 15              | 64QAM      | 36      | 0         | 19.41                 | 19.44                    | 19.34                  |                     |          |  |  |  |  |  |
| 15              | 64QAM      | 36      | 20        | 19.23                 | 19.30                    | 19.30                  | 21                  | 3        |  |  |  |  |  |
| 15              | 64QAM      | 36      | 39        | 19.32                 | 19.26                    | 19.42                  |                     |          |  |  |  |  |  |
| 15              | 64QAM      | 75      | 0         | 19.24                 | 19.34                    | 19.15                  | 19                  | 5        |  |  |  |  |  |
| 15              | 256QAM     | 1       | 0         | 17.46                 | 17.24                    | 17.27                  |                     |          |  |  |  |  |  |
| 15              | 256QAM     | 1       | 37        | 17.25                 | 17.38                    | 17.46                  | 19                  | 5        |  |  |  |  |  |
| 15              | 256QAM     | 1       | 74        | 17.19                 | 17.41                    | 17.24                  |                     |          |  |  |  |  |  |
| 15              | 256QAM     | 36      | 0         | 17.23                 | 17.37                    | 17.23                  | 19                  | 5        |  |  |  |  |  |
| 15              | 256QAM     | 36      | 20        | 17.46                 | 17.42                    | 17.50                  |                     |          |  |  |  |  |  |
| 15              | 256QAM     | 36      | 39        | 17.29                 | 17.41                    | 17.33                  | 19                  | 5        |  |  |  |  |  |
| 15              | 256QAM     | 75      | 0         | 17.31                 | 17.38                    | 17.44                  |                     |          |  |  |  |  |  |
| Channel         |            |         |           | 37600                 | 38000                    | 38200                  |                     |          |  |  |  |  |  |
| Frequency (MHz) |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |  |  |  |  |
| 10              | QPSK       | 1       | 0         | 22.50                 | 22.56                    | 22.52                  | 24                  | 0        |  |  |  |  |  |
| 10              | QPSK       | 1       | 25        | 22.44                 | 22.48                    | 22.39                  |                     |          |  |  |  |  |  |
| 10              | QPSK       | 1       | 49        | 22.35                 | 22.44                    | 22.36                  | 23                  | 1        |  |  |  |  |  |
| 10              | QPSK       | 25      | 0         | 21.38                 | 21.45                    | 21.56                  |                     |          |  |  |  |  |  |
| 10              | QPSK       | 25      | 12        | 21.47                 | 21.43                    | 21.31                  | 23                  | 1        |  |  |  |  |  |
| 10              | QPSK       | 25      | 25        | 21.29                 | 21.34                    | 21.64                  |                     |          |  |  |  |  |  |
| 10              | QPSK       | 50      | 0         | 21.35                 | 21.47                    | 21.37                  | 23                  | 1        |  |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 21.45                 | 21.46                    | 21.56                  |                     |          |  |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 21.17                 | 21.60                    | 21.43                  | 23                  | 1        |  |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 21.41                 | 21.50                    | 21.35                  |                     |          |  |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 20.31                 | 20.37                    | 20.32                  | 22                  | 2        |  |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 20.32                 | 20.00                    | 20.39                  |                     |          |  |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 20.38                 | 20.24                    | 20.43                  | 22                  | 2        |  |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 20.22                 | 20.30                    | 20.13                  |                     |          |  |  |  |  |  |
| 10              | 64QAM      | 1       | 0         | 20.27                 | 20.37                    | 20.18                  | 22                  | 2        |  |  |  |  |  |
| 10              | 64QAM      | 1       | 25        | 20.13                 | 20.08                    | 20.21                  |                     |          |  |  |  |  |  |
| 10              | 64QAM      | 1       | 49        | 20.24                 | 20.27                    | 20.36                  | 21                  | 3        |  |  |  |  |  |
| 10              | 64QAM      | 25      | 0         | 19.21                 | 19.50                    | 19.20                  |                     |          |  |  |  |  |  |
| 10              | 64QAM      | 25      | 12        | 19.44                 | 19.29                    | 19.39                  | 19                  | 5        |  |  |  |  |  |
| 10              | 64QAM      | 25      | 25        | 19.28                 | 19.29                    | 19.33                  |                     |          |  |  |  |  |  |
| 10              | 64QAM      | 50      | 0         | 19.23                 | 19.25                    | 19.09                  | 19                  | 5        |  |  |  |  |  |
| 10              | 256QAM     | 1       | 0         | 17.35                 | 17.38                    | 17.16                  |                     |          |  |  |  |  |  |
| 10              | 256QAM     | 1       | 25        | 17.27                 | 17.37                    | 17.48                  | 19                  | 5        |  |  |  |  |  |
| 10              | 256QAM     | 1       | 49        | 17.37                 | 17.40                    | 17.22                  |                     |          |  |  |  |  |  |
| 10              | 256QAM     | 25      | 0         | 17.31                 | 17.54                    | 17.34                  | 19                  | 5        |  |  |  |  |  |
| 10              | 256QAM     | 25      | 12        | 17.38                 | 17.54                    | 17.45                  |                     |          |  |  |  |  |  |
| 10              | 256QAM     | 25      | 25        | 17.42                 | 17.39                    | 17.13                  | 19                  | 5        |  |  |  |  |  |
| 10              | 256QAM     | 50      | 0         | 17.34                 | 17.21                    | 17.55                  |                     |          |  |  |  |  |  |
| Channel         |            |         |           | 37775                 | 38000                    | 38225                  |                     |          |  |  |  |  |  |
| Frequency (MHz) |            |         |           | 2592.5                | 2595                     | 2617.5                 |                     |          |  |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 22.68                 | 22.70                    | 22.52                  | 24                  | 0        |  |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 22.43                 | 22.67                    | 22.44                  |                     |          |  |  |  |  |  |
| 5               | QPSK       | 1       | 24        | 22.29                 | 22.41                    | 22.42                  | 23                  | 1        |  |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 21.32                 | 21.60                    | 21.45                  |                     |          |  |  |  |  |  |
| 5               | QPSK       | 12      | 7         | 21.33                 | 21.43                    | 21.48                  | 23                  | 1        |  |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 21.22                 | 21.48                    | 21.46                  |                     |          |  |  |  |  |  |
| 5               | QPSK       | 25      | 0         | 21.39                 | 21.30                    | 21.37                  | 23                  | 1        |  |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 21.37                 | 21.32                    | 21.43                  |                     |          |  |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 21.18                 | 21.42                    | 21.52                  | 23                  | 1        |  |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 21.45                 | 21.42                    | 21.44                  |                     |          |  |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 20.20                 | 20.29                    | 20.49                  | 22                  | 2        |  |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 20.46                 | 20.66                    | 20.27                  |                     |          |  |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 20.37                 | 20.34                    | 20.40                  | 22                  | 2        |  |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 20.31                 | 20.34                    | 20.27                  |                     |          |  |  |  |  |  |
| 5               | 64QAM      | 1       | 0         | 20.24                 | 20.26                    | 20.38                  | 22                  | 2        |  |  |  |  |  |
| 5               | 64QAM      | 1       | 12        | 20.05                 | 20.14                    | 20.28                  |                     |          |  |  |  |  |  |
| 5               | 64QAM      | 1       | 24        | 20.20                 | 20.36                    | 20.41                  | 22                  | 2        |  |  |  |  |  |
| 5               | 64QAM      | 12      | 0         | 19.31                 | 19.30                    | 19.33                  |                     |          |  |  |  |  |  |
| 5               | 64QAM      | 12      | 7         | 19.45                 | 19.43                    | 19.39                  | 21                  | 3        |  |  |  |  |  |
| 5               | 64QAM      | 12      | 13        | 19.13                 | 19.30                    | 19.41                  |                     |          |  |  |  |  |  |
| 5               | 64QAM      | 25      | 0         | 19.32                 | 19.41                    | 19.20                  | 21                  | 3        |  |  |  |  |  |
| 5               | 64QAM      | 25      | 0         | 19.29                 | 17.20                    | 19.20                  |                     |          |  |  |  |  |  |
| 5               | 256QAM     | 1       | 0         | 17.29                 | 17.29                    | 17.29                  | 19                  | 5        |  |  |  |  |  |
| 5               | 256QAM     | 1       | 12        | 17.23                 | 17.42                    | 17.45                  |                     |          |  |  |  |  |  |
| 5               | 256QAM     | 1       | 24        | 17.24                 | 17.35                    | 17.31                  | 19                  | 5        |  |  |  |  |  |
| 5               | 256QAM     | 12      | 0         | 17.43                 | 17.41                    | 17.23                  |                     |          |  |  |  |  |  |
| 5               | 256QAM     | 12      | 7         | 17.41                 | 17.51                    | 17.29                  | 19                  | 5        |  |  |  |  |  |
| 5               | 256QAM     | 12      | 13        | 17.38                 | 17.35                    | 17.35                  |                     |          |  |  |  |  |  |
| 5               | 256QAM     | 25      | 0         | 17.27                 | 17.24                    | 17.43                  | 19                  | 5        |  |  |  |  |  |
| 5               | 256QAM     | 25      | 0         | 17.27                 | 17.24                    | 17.43                  |                     |          |  |  |  |  |  |

| Band 2 Ant 4    |            |          |            |                           |                           |                           |                            |                          |             |      |
|-----------------|------------|----------|------------|---------------------------|---------------------------|---------------------------|----------------------------|--------------------------|-------------|------|
| BW (MHz)        | Modulation | RIS Size | RIS Offset | Power<br>Low<br>Ch./Freq. | Power<br>Max<br>Ch./Freq. | Power<br>Min<br>Ch./Freq. | Power<br>High<br>Ch./Freq. | Turn-up<br>Time<br>(sec) | MFR<br>(dB) |      |
| Channel         |            |          |            |                           |                           |                           |                            |                          |             |      |
| Frequency (MHz) |            |          |            |                           |                           |                           |                            |                          |             |      |
| 20              | QPSK       | 1        | 0          | 20.45                     | 20.61                     | 20.46                     |                            |                          |             |      |
| 20              | QPSK       | 1        | 49         | 20.19                     | 20.32                     | 20.29                     |                            |                          |             | 21.9 |
| 20              | QPSK       | 1        | 99         | 20.35                     | 20.50                     | 20.46                     |                            |                          |             |      |
| 20              | QPSK       | 50       | 0          | 20.30                     | 20.48                     | 20.40                     |                            |                          |             |      |
| 20              | QPSK       | 50       | 24         | 20.22                     | 20.40                     | 20.37                     |                            |                          |             | 21.9 |
| 20              | QPSK       | 50       | 202        | 20.22                     | 20.37                     | 20.22                     |                            |                          |             |      |
| 20              | QPSK       | 100      | 0          | 20.30                     | 20.56                     | 20.34                     |                            |                          |             |      |
| 20              | QPSK       | 100      | 50         | 20.34                     | 20.53                     | 20.35                     |                            |                          |             | 21.9 |
| 20              | QPSK       | 1        | 49         | 20.35                     | 20.50                     | 20.29                     |                            |                          |             |      |
| 20              | QPSK       | 1        | 99         | 20.19                     | 20.41                     | 20.19                     |                            |                          |             |      |
| 20              | QPSK       | 1        | 99         | 19.99                     | 19.99                     | 19.99                     |                            |                          |             |      |
| 20              | QPSK       | 50       | 24         | 19.95                     | 19.99                     | 19.99                     |                            |                          |             | 21   |
| 20              | QPSK       | 50       | 50         | 20.07                     | 20.13                     | 19.94                     |                            |                          |             | 0.9  |
| 20              | QPSK       | 50       | 99         | 19.95                     | 20.05                     | 20.00                     |                            |                          |             |      |
| 20              | QPSK       | 1        | 0          | 19.98                     | 19.99                     | 19.92                     |                            |                          |             | 21   |
| 20              | QPSK       | 1        | 49         | 19.99                     | 20.02                     | 19.91                     |                            |                          |             | 0.9  |
| 20              | QPSK       | 1        | 99         | 19.99                     | 20.02                     | 19.91                     |                            |                          |             |      |
| 20              | QPSK       | 50       | 24         | 19.96                     | 19.90                     | 19.98                     |                            |                          |             | 20   |
| 20              | QPSK       | 50       | 50         | 19.94                     | 19.96                     | 19.93                     |                            |                          |             | 1.9  |
| 20              | QPSK       | 50       | 99         | 19.90                     | 19.95                     | 19.90                     |                            |                          |             |      |
| 20              | QPSK       | 100      | 0          | 19.90                     | 19.95                     | 19.93                     |                            |                          |             |      |
| 20              | QPSK       | 100      | 50         | 19.90                     | 19.95                     | 19.93                     |                            |                          |             |      |
| 20              | QPSK       | 1        | 49         | 17.08                     | 17.07                     | 17.01                     |                            |                          |             | 18   |
| 20              | QPSK       | 1        | 99         | 17.08                     | 17.05                     | 17.07                     |                            |                          |             | 3.9  |
| 20              | QPSK       | 50       | 24         | 17.08                     | 17.05                     | 17.05                     |                            |                          |             |      |
| 20              | QPSK       | 50       | 50         | 17.07                     | 17.07                     | 16.98                     |                            |                          |             |      |
| 20              | QPSK       | 50       | 99         | 17.00                     | 17.07                     | 17.04                     |                            |                          |             | 18   |
| 20              | QPSK       | 100      | 0          | 17.00                     | 17.00                     | 17.04                     |                            |                          |             | 3.9  |
| Channel         |            |          |            |                           |                           |                           |                            |                          |             |      |
| Frequency (MHz) |            |          |            |                           |                           |                           |                            |                          |             |      |
| 15              | QPSK       | 1        | 0          | 19.87                     | 19.80                     | 19.82                     |                            | Turn-up<br>Time<br>(sec) | MFR<br>(dB) |      |
| 15              | QPSK       | 1        | 6          | 20.35                     | 20.59                     | 20.34                     |                            |                          |             | 21.9 |
| 15              | QPSK       | 1        | 74         | 20.18                     | 20.19                     | 20.37                     |                            |                          |             |      |
| 15              | QPSK       | 50       | 0          | 20.44                     | 20.51                     | 20.30                     |                            |                          |             |      |
| 15              | QPSK       | 50       | 24         | 20.27                     | 20.37                     | 20.40                     |                            |                          |             | 21.9 |
| 15              | QPSK       | 50       | 99         | 20.07                     | 20.44                     | 20.23                     |                            |                          |             |      |
| 15              | QPSK       | 100      | 0          | 20.29                     | 20.53                     | 20.33                     |                            |                          |             |      |
| 15              | QPSK       | 100      | 50         | 20.17                     | 20.39                     | 20.37                     |                            |                          |             |      |
| 15              | QPSK       | 1        | 37         | 20.49                     | 20.19                     | 20.40                     |                            |                          |             | 21.9 |
| 15              | QPSK       | 1        | 99         | 17.09                     | 17.08                     | 17.07                     |                            |                          |             |      |
| 15              | QPSK       | 50       | 24         | 19.85                     | 19.99                     | 19.80                     |                            |                          |             |      |
| 15              | QPSK       | 50       | 50         | 19.86                     | 19.92                     | 19.96                     |                            |                          |             | 21   |
| 15              | QPSK       | 50       | 99         | 19.80                     | 19.95                     | 19.88                     |                            |                          |             | 0.9  |
| 15              | QPSK       | 100      | 0          | 19.85                     | 19.95                     | 19.88                     |                            |                          |             |      |
| 15              | QPSK       | 100      | 50         | 19.80                     | 19.82                     | 19.80                     |                            |                          |             |      |
| 15              | QPSK       | 1        | 49         | 19.80                     | 19.87                     | 19.80                     |                            |                          |             | 21   |
| 15              | QPSK       | 1        | 99         | 19.80                     | 19.87                     | 19.80                     |                            |                          |             | 0.9  |
| 15              | QPSK       | 50       | 24         | 19.80                     | 19.87                     | 19.80                     |                            |                          |             |      |
| 15              | QPSK       | 50       | 50         | 19.80                     | 19.87                     | 19.80                     |                            |                          |             | 20   |
| 15              | QPSK       | 50       | 99         | 19.80                     | 19.87                     | 19.80                     |                            |                          |             | 1.9  |
| 15              | QPSK       | 100      | 0          | 19.80                     | 19.87                     | 19.80                     |                            |                          |             |      |
| 15              | QPSK       | 100      | 50         | 19.80                     | 19.87                     | 19.80                     |                            |                          |             |      |
| Channel         |            |          |            |                           |                           |                           |                            |                          |             |      |
| Frequency (MHz) |            |          |            |                           |                           |                           |                            |                          |             |      |
| 10              | QPSK       | 1        | 0          | 19.80                     | 19.80                     | 19.80                     |                            | Turn-up<br>Time<br>(sec) | MFR<br>(dB) |      |
| 10              | QPSK       | 1        | 12         | 20.14                     | 20.25                     | 20.44                     |                            |                          |             | 21.9 |
| 10              | QPSK       | 1        | 49         | 20.47                     | 20.33                     | 20.39                     |                            |                          |             |      |
| 10              | QPSK       | 50       | 0          | 20.37                     | 20.57                     | 20.38                     |                            |                          |             |      |
| 10              | QPSK       | 50       | 24         | 20.20                     | 20.29                     | 20.24                     |                            |                          |             | 21.9 |
| 10              | QPSK       | 50       | 25         | 20.06                     | 20.45                     | 20.31                     |                            |                          |             |      |
| 10              | QPSK       | 100      | 0          | 20.30                     | 20.53                     | 20.38                     |                            |                          |             |      |
| 10              | QPSK       | 100      | 1          | 0                         | 20.33                     | 20.52                     | 20.39                      |                          |             | 21.9 |
| 10              | QPSK       | 1        | 12         | 20.44                     | 20.21                     | 20.37                     |                            |                          |             |      |
| 10              | QPSK       | 1        | 24         | 20.35                     | 20.38                     | 20.40                     |                            |                          |             |      |
| 10              | QPSK       | 12       | 0          | 19.99                     | 19.91                     | 19.79                     |                            |                          |             |      |
| 10              | QPSK       | 12       | 7          | 19.96                     | 19.85                     | 19.95                     |                            |                          |             | 21   |
| 10              | QPSK       | 12       | 13         | 19.90                     | 19.80                     | 19.80                     |                            |                          |             | 0.9  |
| 10              | QPSK       | 1        | 0          | 19.96                     | 20.01                     | 19.97                     |                            |                          |             |      |
| 10              | QPSK       | 1        | 6          | 19.85                     | 19.83                     | 19.88                     |                            |                          |             | 21   |
| 10              | QPSK       | 1        | 12         | 19.92                     | 19.89                     | 19.71                     |                            |                          |             | 0.9  |
| 10              | QPSK       | 1        | 24         | 19.84                     | 19.84                     | 19.91                     |                            |                          |             |      |
| 10              | QPSK       | 12       | 0          | 19.88                     | 19.81                     | 19.90                     |                            |                          |             |      |
| 10              | QPSK       | 12       | 7          | 19.85                     | 19.87                     | 19.85                     |                            |                          |             | 20   |
| 10              | QPSK       | 12       | 13         | 19.82                     | 19.88                     | 19.86                     |                            |                          |             | 20   |
| 10              | QPSK       | 25       | 0          | 19.86                     | 19.84                     | 19.96                     |                            |                          |             |      |
| 10              | QPSK       | 25       | 6          | 19.86                     | 19.87                     | 1.85                      |                            |                          |             |      |
| 10              | QPSK       | 1        | 12         | 17.02                     | 17.11                     | 16.97                     |                            |                          |             | 18   |
| 10              | QPSK       | 1        | 24         | 16.92                     | 16.97                     | 16.96                     |                            |                          |             |      |
| 10              | QPSK       | 12       | 0          | 16.88                     | 16.89                     | 16.88                     |                            |                          |             | 18   |
| 10              | QPSK       | 12       | 7          | 16.94                     | 17.08                     | 16.94                     |                            |                          |             | 18   |
| 10              | QPSK       | 12       | 13         | 16.90                     | 16.96                     | 16.83                     |                            |                          |             | 3.9  |
| 10              | QPSK       | 25       | 0          | 16.89                     | 17.15                     | 16.88                     |                            |                          |             |      |
| Channel         |            |          |            |                           |                           |                           |                            |                          |             |      |
| Frequency (MHz) |            |          |            |                           |                           |                           |                            |                          |             |      |
| 5               | QPSK       | 1        | 0          | 20.35                     | 20.60                     | 20.40                     |                            |                          |             |      |
| 5               | QPSK       | 1        | 6          | 20.22                     | 20.37                     | 20.28                     |                            |                          |             | 21.9 |
| 5               | QPSK       | 1        | 14         | 20.24                     | 20.37                     | 20.35                     |                            |                          |             |      |
| 5               | QPSK       | 50       | 0          | 20.31                     | 20.51                     | 20.44                     |                            |                          |             |      |
| 5               | QPSK       | 50       | 24         | 20.21                     | 20.06                     | 20.28                     |                            |                          |             | 21.9 |
| 5               | QPSK       | 50       | 7          | 20.15                     | 20.42                     | 20.32                     |                            |                          |             |      |
| 5               | QPSK       | 100      | 0          | 20.22                     | 20.45                     | 20.32                     |                            |                          |             |      |
| 5               | QPSK       | 100      | 1          | 0                         | 20.28                     | 20.46                     | 20.42                      |                          |             | 21.9 |
| 5               | QPSK       | 1        | 6          | 20.41                     | 20.19                     | 20.47                     |                            |                          |             |      |
| 5               | QPSK       | 1        | 14         | 20.31                     | 20.52                     | 20.36                     |                            |                          |             |      |
| 5               | QPSK       | 1        | 24         | 19.88                     | 19.98                     | 19.91                     |                            |                          |             |      |
| 5               | QPSK       | 50       | 4          | 19.73                     | 19.87                     | 19.86                     |                            |                          |             | 21   |
| 5               | QPSK       | 50       | 7          | 19.84                     | 19.80                     | 19.75                     |                            |                          |             | 0.9  |
| 5               | QPSK       | 100      | 0          | 19.92                     | 20.00                     | 19.83                     |                            |                          |             |      |
| 5               | QPSK       | 100      | 50         | 19.86                     | 19.93                     | 19.83                     |                            |                          |             | 21   |
| 5               | QPSK       | 1        | 0          | 19.84                     | 19.88                     | 19.86                     |                            |                          |             | 0.9  |
| 5               | QPSK       | 1        | 14         | 19.91                     | 19.86                     | 19.90                     |                            |                          |             |      |
| 5               | QPSK       | 1        | 24         | 19.89                     | 19.87                     | 19.91                     |                            |                          |             |      |
| 5               | QPSK       | 50       | 4          | 19.80                     | 19.82                     | 19.87                     |                            |                          |             | 20   |
| 5               | QPSK       | 50       | 7          | 19.85                     | 19.85                     | 19.82                     |                            |                          |             |      |
| 5               | QPSK       | 100      | 0          | 19.96                     | 17.02                     | 16.87                     |                            |                          |             | 18   |
| 5               | QPSK       | 100      | 50         | 17.02                     | 17.18                     | 16.95                     |                            |                          |             | 3.9  |
| 5               | QPSK       | 1        | 6          | 16.84                     | 16.89                     | 16.96                     |                            |                          |             |      |
| 5               | QPSK       | 1        | 14         | 16.89                     | 16.88                     | 16.77                     |                            |                          |             | 18   |
| 5               | QPSK       | 50       | 4          | 16.89                     | 16.88                     | 16.77                     |                            |                          |             | 3.9  |
| 5               | QPSK       | 50       | 7          | 16.89                     | 16.88                     | 16.77                     |                            |                          |             |      |
| 5               | QPSK       | 100      |            | 16.86                     | 17.02                     | 16.96                     |                            |                          |             |      |

| Band 25 Ant 4   |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |  |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------|----------|--|--|--|--|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Time-up (sec) | MPE (dB) |  |  |  |  |  |  |
| Channel         |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |  |
| 20              | QPSK       | 1       | 0         | 20.51               | 20.53                  | 20.51                | 21.0          | 0        |  |  |  |  |  |  |
| 20              | QPSK       | 1       | 49        | 20.33               | 20.39                  | 20.48                |               |          |  |  |  |  |  |  |
| 20              | QPSK       | 1       | 99        | 20.46               | 20.42                  | 20.48                | 21.0          | 0        |  |  |  |  |  |  |
| 20              | QPSK       | 50      | 0         | 20.48               | 20.54                  | 20.51                |               |          |  |  |  |  |  |  |
| 20              | QPSK       | 50      | 24        | 20.34               | 20.42                  | 20.38                | 21.0          | 0        |  |  |  |  |  |  |
| 20              | QPSK       | 50      | 50        | 20.25               | 20.22                  | 20.36                |               |          |  |  |  |  |  |  |
| 20              | QPSK       | 100     | 0         | 20.37               | 20.57                  | 20.47                | 21.0          | 0        |  |  |  |  |  |  |
| 20              | 16QAM      | 1       | 0         | 20.38               | 20.58                  | 20.42                |               |          |  |  |  |  |  |  |
| 20              | 16QAM      | 1       | 49        | 20.51               | 20.51                  | 20.51                | 21.0          | 0        |  |  |  |  |  |  |
| 20              | 16QAM      | 1       | 99        | 20.40               | 20.40                  | 20.38                |               |          |  |  |  |  |  |  |
| 20              | 16QAM      | 50      | 0         | 19.85               | 19.88                  | 19.88                | 21            | 0.9      |  |  |  |  |  |  |
| 20              | 16QAM      | 50      | 24        | 19.77               | 19.85                  | 20.05                |               |          |  |  |  |  |  |  |
| 20              | 16QAM      | 50      | 50        | 19.92               | 20.10                  | 19.92                | 21            | 0.9      |  |  |  |  |  |  |
| 20              | 16QAM      | 100     | 0         | 19.80               | 19.93                  | 19.79                |               |          |  |  |  |  |  |  |
| 20              | 64QAM      | 1       | 0         | 19.89               | 19.87                  | 19.88                | 21            | 0.9      |  |  |  |  |  |  |
| 20              | 64QAM      | 1       | 49        | 19.89               | 19.87                  | 19.88                |               |          |  |  |  |  |  |  |
| 20              | 64QAM      | 1       | 99        | 20.03               | 19.99                  | 20.04                | 20            | 1.0      |  |  |  |  |  |  |
| 20              | 64QAM      | 50      | 0         | 19.00               | 18.90                  | 18.78                |               |          |  |  |  |  |  |  |
| 20              | 64QAM      | 50      | 24        | 18.94               | 18.96                  | 18.90                | 20            | 1.0      |  |  |  |  |  |  |
| 20              | 64QAM      | 100     | 0         | 19.80               | 19.93                  | 19.84                |               |          |  |  |  |  |  |  |
| 20              | 256QAM     | 1       | 0         | 17.00               | 16.90                  | 16.82                | 18            | 3.0      |  |  |  |  |  |  |
| 20              | 256QAM     | 1       | 49        | 16.97               | 17.00                  | 16.82                |               |          |  |  |  |  |  |  |
| 20              | 256QAM     | 1       | 99        | 17.06               | 16.94                  | 16.96                | 18            | 3.0      |  |  |  |  |  |  |
| 20              | 256QAM     | 50      | 0         | 16.94               | 16.86                  | 16.80                |               |          |  |  |  |  |  |  |
| 20              | 256QAM     | 50      | 24        | 16.94               | 16.86                  | 16.78                | 18            | 3.0      |  |  |  |  |  |  |
| 20              | 256QAM     | 50      | 50        | 16.87               | 16.80                  | 16.81                |               |          |  |  |  |  |  |  |
| 20              | 256QAM     | 100     | 0         | 16.97               | 17.00                  | 16.80                | 18            | 3.0      |  |  |  |  |  |  |
| 20              | 256QAM     | 100     | 0         | 16.97               | 17.00                  | 16.80                |               |          |  |  |  |  |  |  |
| Channel         |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 0         | 20.31               | 20.39                  | 20.31                | 21.0          | 0        |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 49        | 20.31               | 20.39                  | 20.48                |               |          |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 74        | 20.43               | 20.39                  | 20.49                | 21.0          | 0        |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 0         | 20.43               | 20.39                  | 20.40                |               |          |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 20        | 20.31               | 20.27                  | 20.19                | 21.0          | 0        |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 36        | 20.05               | 20.33                  | 20.30                |               |          |  |  |  |  |  |  |
| 15              | QPSK       | 75      | 0         | 20.18               | 20.09                  | 20.27                | 21.0          | 0        |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 20.36               | 20.46                  | 20.40                |               |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 20.38               | 20.14                  | 20.46                | 21.0          | 0        |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 20.38               | 20.14                  | 20.46                |               |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 19.86               | 19.78                  | 19.89                | 21            | 0.9      |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 19.85               | 19.72                  | 19.83                |               |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 36        | 19.87               | 19.83                  | 19.87                | 21            | 0.9      |  |  |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 19.74               | 19.91                  | 20.02                |               |          |  |  |  |  |  |  |
| 15              | 64QAM      | 1       | 0         | 19.69               | 19.76                  | 19.86                | 21            | 0.9      |  |  |  |  |  |  |
| 15              | 64QAM      | 1       | 49        | 19.67               | 19.78                  | 19.87                |               |          |  |  |  |  |  |  |
| 15              | 64QAM      | 1       | 74        | 20.01               | 19.75                  | 19.97                | 20            | 1.0      |  |  |  |  |  |  |
| 15              | 64QAM      | 36      | 0         | 18.81               | 18.88                  | 18.95                |               |          |  |  |  |  |  |  |
| 15              | 64QAM      | 36      | 20        | 18.86               | 18.87                  | 18.86                | 20            | 1.0      |  |  |  |  |  |  |
| 15              | 64QAM      | 36      | 36        | 18.91               | 18.93                  | 19.02                |               |          |  |  |  |  |  |  |
| 15              | 64QAM      | 75      | 0         | 19.10               | 19.00                  | 18.95                | 18            | 3.0      |  |  |  |  |  |  |
| 15              | 256QAM     | 1       | 0         | 17.00               | 16.90                  | 16.82                |               |          |  |  |  |  |  |  |
| 15              | 256QAM     | 1       | 37        | 17.00               | 17.02                  | 16.81                | 18            | 3.0      |  |  |  |  |  |  |
| 15              | 256QAM     | 1       | 74        | 16.90               | 17.06                  | 17.08                |               |          |  |  |  |  |  |  |
| 15              | 256QAM     | 36      | 0         | 16.84               | 16.86                  | 16.80                | 18            | 3.0      |  |  |  |  |  |  |
| 15              | 256QAM     | 36      | 20        | 16.98               | 17.08                  | 16.80                |               |          |  |  |  |  |  |  |
| 15              | 256QAM     | 36      | 36        | 17.00               | 16.82                  | 16.88                | 18            | 3.0      |  |  |  |  |  |  |
| 15              | 256QAM     | 75      | 0         | 16.98               | 17.06                  | 16.83                |               |          |  |  |  |  |  |  |
| Channel         |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 0         | 20.27               | 20.35                  | 20.27                | 21.0          | 0        |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 26        | 20.15               | 20.22                  | 20.34                |               |          |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 49        | 20.28               | 20.22                  | 20.33                | 21.0          | 0        |  |  |  |  |  |  |
| 15              | QPSK       | 12      | 0         | 20.46               | 20.42                  | 20.44                |               |          |  |  |  |  |  |  |
| 15              | QPSK       | 12      | 7         | 20.32               | 20.28                  | 20.31                | 21.0          | 0        |  |  |  |  |  |  |
| 15              | QPSK       | 12      | 13        | 20.16               | 20.31                  | 20.16                |               |          |  |  |  |  |  |  |
| 15              | QPSK       | 25      | 12        | 20.36               | 20.41                  | 20.40                | 21.0          | 0        |  |  |  |  |  |  |
| 15              | QPSK       | 25      | 25        | 20.19               | 20.33                  | 20.24                |               |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 20.32               | 20.41                  | 20.33                | 21.0          | 0        |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 26        | 20.30               | 20.20                  | 20.41                |               |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 49        | 20.18               | 20.08                  | 20.27                | 21            | 0.9      |  |  |  |  |  |  |
| 15              | 16QAM      | 25      | 0         | 19.87               | 19.81                  | 19.86                |               |          |  |  |  |  |  |  |
| 15              | 16QAM      | 25      | 12        | 19.82               | 19.85                  | 19.85                | 21            | 0.9      |  |  |  |  |  |  |
| 15              | 16QAM      | 25      | 25        | 19.88               | 19.88                  | 19.88                |               |          |  |  |  |  |  |  |
| 15              | 16QAM      | 50      | 0         | 19.78               | 19.88                  | 19.87                | 21            | 0.9      |  |  |  |  |  |  |
| 15              | 64QAM      | 1       | 0         | 19.81               | 19.89                  | 19.78                |               |          |  |  |  |  |  |  |
| 15              | 64QAM      | 1       | 49        | 19.78               | 19.84                  | 19.80                | 20            | 1.0      |  |  |  |  |  |  |
| 15              | 64QAM      | 25      | 0         | 19.01               | 18.87                  | 19.87                |               |          |  |  |  |  |  |  |
| 15              | 64QAM      | 25      | 12        | 18.85               | 18.88                  | 19.88                | 20            | 1.0      |  |  |  |  |  |  |
| 15              | 64QAM      | 50      | 0         | 18.91               | 19.02                  | 19.02                |               |          |  |  |  |  |  |  |
| 15              | 256QAM     | 1       | 0         | 16.90               | 16.82                  | 16.80                | 18            | 3.0      |  |  |  |  |  |  |
| 15              | 256QAM     | 1       | 26        | 17.11               | 17.03                  | 16.81                |               |          |  |  |  |  |  |  |
| 15              | 256QAM     | 1       | 49        | 16.93               | 16.99                  | 17.09                | 18            | 3.0      |  |  |  |  |  |  |
| 15              | 256QAM     | 12      | 0         | 16.81               | 16.82                  | 16.80                |               |          |  |  |  |  |  |  |
| 15              | 256QAM     | 25      | 12        | 16.98               | 17.07                  | 16.78                | 18            | 3.0      |  |  |  |  |  |  |
| 15              | 256QAM     | 25      | 25        | 17.00               | 16.86                  | 16.88                |               |          |  |  |  |  |  |  |
| 15              | 256QAM     | 50      | 0         | 16.84               | 17.05                  | 16.90                | 18            | 3.0      |  |  |  |  |  |  |
| 15              | 256QAM     | 50      | 0         | 16.84               | 17.05                  | 16.90                |               |          |  |  |  |  |  |  |
| Channel         |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                        |                      |               |          |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 20.39               | 20.49                  | 20.44                | 21.0          | 0        |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 20.33               | 20.31                  | 20.31                |               |          |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 24        | 20.32               | 20.28                  | 20.32                | 21.0          | 0        |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 20.31               | 20.41                  | 20.35                |               |          |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 7         | 20.32               | 20.28                  | 20.31                | 21.0          | 0        |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 20.16               | 20.31                  | 20.16                |               |          |  |  |  |  |  |  |
| 5               | QPSK       | 24      | 0         | 20.37               | 20.47                  | 20.35                | 21.0          | 0        |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 20.27               | 20.41                  | 20.28                |               |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 20.52               | 20.10                  | 20.52                | 21.0          | 0        |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 20.23               | 20.08                  | 20.27                |               |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 19.87               | 19.86                  | 19.86                | 21            | 0.9      |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 19.98               | 19.77                  | 19.89                |               |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 20.02               | 20.02                  | 20.02                | 21            | 0.9      |  |  |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 19.96               | 20.00                  | 19.82                |               |          |  |  |  |  |  |  |
| 5               | 64QAM      | 1       | 0         | 19.99               | 19.84                  | 19.88                | 21            | 0.9      |  |  |  |  |  |  |
| 5               | 64QAM      | 1       | 49        | 19.90               | 19.84                  | 19.89                |               |          |  |  |  |  |  |  |
| 5               | 64QAM      | 1       | 24        | 19.90               | 19.86                  | 19.87                | 20            | 1.0      |  |  |  |  |  |  |
| 5               | 64QAM      | 12      | 0         | 1                   |                        |                      |               |          |  |  |  |  |  |  |

| Band 38 Ant 4   |            |         |           |                       |                          |                        |                     |          |     |                              |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|------------------------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |                              |  |
| Channel         |            |         |           | 37650                 | 38000                    | 38150                  |                     |          |     |                              |  |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |     |                              |  |
| 20              | QPSK       | 1       | 0         | 20.67                 | 20.77                    | 20.72                  | 22                  | 0        |     |                              |  |
| 20              | QPSK       | 1       | 49        | 20.65                 | 20.75                    | 20.69                  |                     |          |     |                              |  |
| 20              | QPSK       | 1       | 99        | 20.59                 | 20.62                    | 20.70                  |                     |          |     |                              |  |
| 20              | QPSK       | 50      | 0         | 20.63                 | 20.75                    | 20.62                  | 22                  | 0        |     |                              |  |
| 20              | QPSK       | 50      | 24        | 20.63                 | 20.67                    | 20.63                  |                     |          |     |                              |  |
| 20              | QPSK       | 50      | 50        | 20.66                 | 20.64                    | 20.70                  |                     |          |     |                              |  |
| 20              | QPSK       | 100     | 0         | 20.71                 | 20.73                    | 20.64                  | 22                  | 0        |     |                              |  |
| 20              | 16QAM      | 1       | 0         | 20.70                 | 20.69                    | 20.70                  |                     |          |     |                              |  |
| 20              | 16QAM      | 1       | 49        | 20.66                 | 20.73                    | 20.63                  |                     |          |     |                              |  |
| 20              | 16QAM      | 1       | 99        | 20.59                 | 20.73                    | 20.61                  | 22                  | 0        |     |                              |  |
| 20              | 16QAM      | 50      | 0         | 20.51                 | 20.70                    | 20.44                  |                     |          |     |                              |  |
| 20              | 16QAM      | 50      | 24        | 20.42                 | 20.57                    | 20.52                  |                     |          |     |                              |  |
| 20              | 16QAM      | 50      | 50        | 20.57                 | 20.76                    | 20.41                  | 22                  | 0        |     |                              |  |
| 20              | 16QAM      | 100     | 0         | 20.41                 | 20.59                    | 20.53                  |                     |          |     |                              |  |
| 20              | 64QAM      | 1       | 0         | 20.43                 | 20.72                    | 20.38                  |                     |          |     |                              |  |
| 20              | 64QAM      | 1       | 49        | 20.41                 | 20.68                    | 20.42                  | 22                  | 0        |     |                              |  |
| 20              | 64QAM      | 1       | 99        | 20.55                 | 20.64                    | 20.58                  |                     |          |     |                              |  |
| 20              | 64QAM      | 50      | 0         | 19.41                 | 19.55                    | 19.55                  |                     |          |     |                              |  |
| 20              | 64QAM      | 50      | 24        | 19.59                 | 19.60                    | 19.52                  | 21                  | 1        |     |                              |  |
| 20              | 64QAM      | 50      | 50        | 19.40                 | 19.73                    | 19.40                  |                     |          |     |                              |  |
| 20              | 64QAM      | 100     | 0         | 19.52                 | 19.72                    | 19.44                  |                     |          |     |                              |  |
| 20              | 256QAM     | 1       | 0         | 17.49                 | 17.61                    | 17.45                  | 19                  | 3        |     |                              |  |
| 20              | 256QAM     | 1       | 49        | 17.58                 | 17.72                    | 17.37                  |                     |          |     |                              |  |
| 20              | 256QAM     | 1       | 99        | 17.50                 | 17.66                    | 17.57                  |                     |          |     |                              |  |
| 20              | 256QAM     | 50      | 0         | 17.36                 | 17.58                    | 17.49                  | 19                  | 3        |     |                              |  |
| 20              | 256QAM     | 50      | 24        | 17.40                 | 17.60                    | 17.49                  |                     |          |     |                              |  |
| 20              | 256QAM     | 50      | 50        | 17.55                 | 17.78                    | 17.43                  |                     |          |     |                              |  |
| 20              | 256QAM     | 100     | 0         | 17.51                 | 17.72                    | 17.51                  | 20                  | 256QAM   | 100 |                              |  |
| Channel         |            |         |           | 37625                 | 38000                    | 38175                  |                     |          |     | Tune-up limit (dBm) MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |     |                              |  |
| 15              | QPSK       | 1       | 0         | 20.63                 | 20.65                    | 20.62                  | 22                  | 0        |     |                              |  |
| 15              | QPSK       | 1       | 37        | 20.72                 | 20.72                    | 20.64                  |                     |          |     |                              |  |
| 15              | QPSK       | 1       | 74        | 20.64                 | 20.67                    | 20.63                  |                     |          |     |                              |  |
| 15              | QPSK       | 36      | 0         | 20.58                 | 20.74                    | 20.70                  | 22                  | 0        |     |                              |  |
| 15              | QPSK       | 36      | 20        | 20.60                 | 20.73                    | 20.67                  |                     |          |     |                              |  |
| 15              | QPSK       | 36      | 39        | 20.70                 | 20.75                    | 20.68                  |                     |          |     |                              |  |
| 15              | QPSK       | 75      | 0         | 20.71                 | 20.64                    | 20.59                  | 22                  | 0        |     |                              |  |
| 15              | 16QAM      | 1       | 0         | 20.63                 | 20.68                    | 20.62                  |                     |          |     |                              |  |
| 15              | 16QAM      | 1       | 37        | 20.65                 | 20.67                    | 20.67                  |                     |          |     |                              |  |
| 15              | 16QAM      | 1       | 74        | 20.65                 | 20.72                    | 20.68                  | 22                  | 0        |     |                              |  |
| 15              | 16QAM      | 36      | 0         | 20.43                 | 20.50                    | 20.39                  |                     |          |     |                              |  |
| 15              | 16QAM      | 36      | 20        | 20.29                 | 20.41                    | 20.53                  |                     |          |     |                              |  |
| 15              | 16QAM      | 36      | 39        | 20.46                 | 20.62                    | 20.40                  | 22                  | 0        |     |                              |  |
| 15              | 16QAM      | 75      | 0         | 20.37                 | 20.56                    | 20.40                  |                     |          |     |                              |  |
| 15              | 64QAM      | 1       | 0         | 20.26                 | 20.71                    | 20.39                  |                     |          |     |                              |  |
| 15              | 64QAM      | 1       | 37        | 20.32                 | 20.46                    | 20.24                  | 22                  | 0        |     |                              |  |
| 15              | 64QAM      | 1       | 74        | 20.45                 | 20.61                    | 20.51                  |                     |          |     |                              |  |
| 15              | 64QAM      | 36      | 0         | 19.26                 | 19.37                    | 19.55                  |                     |          |     |                              |  |
| 15              | 64QAM      | 36      | 20        | 19.39                 | 19.57                    | 19.34                  | 21                  | 1        |     |                              |  |
| 15              | 64QAM      | 36      | 39        | 19.35                 | 19.54                    | 19.39                  |                     |          |     |                              |  |
| 15              | 64QAM      | 75      | 0         | 19.44                 | 19.60                    | 19.29                  |                     |          |     |                              |  |
| 15              | 256QAM     | 1       | 0         | 17.34                 | 17.50                    | 17.32                  | 19                  | 3        |     |                              |  |
| 15              | 256QAM     | 1       | 37        | 17.49                 | 17.61                    | 17.36                  |                     |          |     |                              |  |
| 15              | 256QAM     | 1       | 74        | 17.42                 | 17.56                    | 17.40                  |                     |          |     |                              |  |
| 15              | 256QAM     | 36      | 0         | 17.44                 | 17.54                    | 17.36                  | 19                  | 3        |     |                              |  |
| 15              | 256QAM     | 36      | 20        | 17.31                 | 17.45                    | 17.49                  |                     |          |     |                              |  |
| 15              | 256QAM     | 36      | 39        | 17.49                 | 17.79                    | 17.43                  |                     |          |     |                              |  |
| 15              | 256QAM     | 75      | 0         | 17.46                 | 17.72                    | 17.36                  | 20                  | 256QAM   | 100 |                              |  |
| Channel         |            |         |           | 37600                 | 38000                    | 38200                  |                     |          |     | Tune-up limit (dBm) MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |     |                              |  |
| 10              | QPSK       | 1       | 0         | 20.66                 | 20.62                    | 20.69                  | 22                  | 0        |     |                              |  |
| 10              | QPSK       | 1       | 25        | 20.59                 | 20.73                    | 20.64                  |                     |          |     |                              |  |
| 10              | QPSK       | 1       | 49        | 20.63                 | 20.73                    | 20.70                  |                     |          |     |                              |  |
| 10              | QPSK       | 25      | 0         | 20.60                 | 20.71                    | 20.71                  | 22                  | 0        |     |                              |  |
| 10              | QPSK       | 25      | 12        | 20.66                 | 20.63                    | 20.72                  |                     |          |     |                              |  |
| 10              | QPSK       | 25      | 25        | 20.59                 | 20.65                    | 20.66                  |                     |          |     |                              |  |
| 10              | QPSK       | 50      | 0         | 20.65                 | 20.63                    | 20.71                  | 22                  | 0        |     |                              |  |
| 10              | 16QAM      | 1       | 0         | 20.69                 | 20.67                    | 20.69                  |                     |          |     |                              |  |
| 10              | 16QAM      | 1       | 25        | 20.69                 | 20.73                    | 20.60                  |                     |          |     |                              |  |
| 10              | 16QAM      | 1       | 49        | 20.59                 | 20.63                    | 20.62                  | 22                  | 0        |     |                              |  |
| 10              | 16QAM      | 25      | 0         | 20.31                 | 20.54                    | 20.33                  |                     |          |     |                              |  |
| 10              | 16QAM      | 25      | 12        | 20.31                 | 20.43                    | 20.49                  |                     |          |     |                              |  |
| 10              | 16QAM      | 25      | 25        | 20.53                 | 20.65                    | 20.41                  | 22                  | 0        |     |                              |  |
| 10              | 16QAM      | 50      | 0         | 20.29                 | 20.43                    | 20.49                  |                     |          |     |                              |  |
| 10              | 64QAM      | 1       | 0         | 20.31                 | 20.71                    | 20.25                  |                     |          |     |                              |  |
| 10              | 64QAM      | 1       | 25        | 20.28                 | 20.50                    | 20.29                  | 22                  | 0        |     |                              |  |
| 10              | 64QAM      | 1       | 49        | 20.56                 | 20.42                    | 20.40                  |                     |          |     |                              |  |
| 10              | 64QAM      | 25      | 0         | 19.35                 | 19.45                    | 19.39                  |                     |          |     |                              |  |
| 10              | 64QAM      | 25      | 12        | 19.58                 | 19.55                    | 19.47                  | 21                  | 1        |     |                              |  |
| 10              | 64QAM      | 25      | 25        | 19.33                 | 19.68                    | 19.37                  |                     |          |     |                              |  |
| 10              | 64QAM      | 50      | 0         | 19.31                 | 19.71                    | 19.27                  |                     |          |     |                              |  |
| 10              | 256QAM     | 1       | 0         | 17.39                 | 17.42                    | 17.26                  | 19                  | 3        |     |                              |  |
| 10              | 256QAM     | 1       | 25        | 17.43                 | 17.71                    | 17.30                  |                     |          |     |                              |  |
| 10              | 256QAM     | 1       | 49        | 17.48                 | 17.52                    | 17.47                  |                     |          |     |                              |  |
| 10              | 256QAM     | 25      | 0         | 17.38                 | 17.60                    | 17.37                  | 19                  | 3        |     |                              |  |
| 10              | 256QAM     | 25      | 12        | 17.21                 | 17.57                    | 17.38                  |                     |          |     |                              |  |
| 10              | 256QAM     | 25      | 25        | 17.52                 | 17.68                    | 17.34                  |                     |          |     |                              |  |
| 10              | 256QAM     | 50      | 0         | 17.48                 | 17.70                    | 17.35                  | 22                  | 0        |     |                              |  |
| Channel         |            |         |           | 37775                 | 38000                    | 38225                  |                     |          |     | Tune-up limit (dBm) MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2572.5                | 2595                     | 2617.5                 |                     |          |     |                              |  |
| 5               | QPSK       | 1       | 0         | 20.64                 | 20.67                    | 20.58                  | 22                  |          |     | 0                            |  |
| 5               | QPSK       | 1       | 12        | 20.61                 | 20.71                    | 20.68                  |                     |          |     |                              |  |
| 5               | QPSK       | 1       | 24        | 20.65                 | 20.61                    | 20.67                  |                     |          |     |                              |  |
| 5               | QPSK       | 12      | 0         | 20.67                 | 20.74                    | 20.64                  | 22                  | 0        |     |                              |  |
| 5               | QPSK       | 12      | 7         | 20.62                 | 20.72                    | 20.71                  |                     |          |     |                              |  |
| 5               | QPSK       | 12      | 13        | 20.66                 | 20.66                    | 20.68                  |                     |          |     |                              |  |
| 5               | QPSK       | 25      | 0         | 20.68                 | 20.69                    | 20.71                  | 22                  | 0        |     |                              |  |
| 5               | 16QAM      | 1       | 0         | 20.69                 | 20.75                    | 20.60                  |                     |          |     |                              |  |
| 5               | 16QAM      | 1       | 12        | 20.71                 | 20.62                    | 20.63                  |                     |          |     |                              |  |
| 5               | 16QAM      | 1       | 24        | 20.70                 | 20.70                    | 20.63                  | 22                  | 0        |     |                              |  |
| 5               | 16QAM      | 12      | 0         | 20.40                 | 20.57                    | 20.45                  |                     |          |     |                              |  |
| 5               | 16QAM      | 12      | 7         | 20.43                 | 20.56                    | 20.34                  |                     |          |     |                              |  |
| 5               | 16QAM      | 12      | 13        | 20.51                 | 20.66                    | 20.25                  | 22                  | 0        |     |                              |  |
| 5               | 16QAM      | 25      | 0         | 20.29                 | 20.53                    | 20.52                  |                     |          |     |                              |  |
| 5               | 64QAM      | 1       | 0         | 20.32                 | 20.56                    | 20.31                  |                     |          |     |                              |  |
| 5               | 64QAM      | 1       | 12        | 20.21                 | 20.48                    | 20.43                  | 22                  | 0        |     |                              |  |
| 5               | 64QAM      | 1       | 24        | 20.38                 | 20.59                    | 20.58                  |                     |          |     |                              |  |
| 5               | 64QAM      | 12      | 0         | 19.42                 | 19.50                    | 19.41                  |                     |          |     |                              |  |
| 5               | 64QAM      | 12      | 7         | 19.59                 | 19.57                    | 19.39                  | 21                  | 1        |     |                              |  |
| 5               | 64QAM      | 12      | 13        | 19.30                 | 19.62                    | 19.37                  |                     |          |     |                              |  |
| 5               | 64QAM      | 25      | 0         | 19.45                 | 19.61                    | 19.29                  |                     |          |     |                              |  |
| 5               | 256QAM     | 1       | 0         | 17.27                 | 17.59                    | 17.30                  | 19                  | 3        |     |                              |  |
| 5               | 256QAM     | 1       | 12        | 17.52                 | 17.62                    | 17.28                  |                     |          |     |                              |  |
| 5               | 256QAM     | 1       | 24        | 17.38                 | 17.45                    | 17.57                  |                     |          |     |                              |  |
| 5               | 256QAM     | 12      | 0         | 17.35                 | 17.42                    | 17.50                  | 19                  | 3        |     |                              |  |
| 5               | 256QAM     | 12      | 7         | 17.27                 | 17.57                    | 17.40                  |                     |          |     |                              |  |
| 5               | 256QAM     | 12      | 13        | 17.35                 | 17.67                    | 17.30                  |                     |          |     |                              |  |
| 5               | 256QAM     | 25      | 0         | 17.38                 | 17.57                    | 17.47                  | 5                   | 256QAM   | 25  |                              |  |
| 5               | 256QAM     | 25      | 0         | 17.38                 | 17.57                    | 17.47                  |                     |          |     |                              |  |

| Band 41 Ant 4   |            |         |           |                         |                                   |                            |                                 |                          |                        |             |   |  |
|-----------------|------------|---------|-----------|-------------------------|-----------------------------------|----------------------------|---------------------------------|--------------------------|------------------------|-------------|---|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq | Power Low<br>Middle<br>Ch. / Freq | Power Middle<br>Ch. / Freq | Power High<br>Middle Ch. / Freq | Power High<br>Ch. / Freq | Tune-up limit<br>(dBm) | MPR<br>(dB) |   |  |
| Channel         |            |         |           | 39750                   | 40485                             | 40620                      | 41055                           | 41460                    |                        |             |   |  |
| Frequency (MHz) |            |         |           | 2506                    | 25405                             | 25593                      | 25935                           | 26300                    |                        |             |   |  |
| 20              | QPSK       | 1       | 0         | 20.69                   | 20.71                             | 20.79                      | 20.76                           | 20.67                    |                        |             |   |  |
| 20              | QPSK       | 1       | 49        | 20.74                   | 20.68                             | 20.75                      | 20.63                           | 20.71                    | 22                     |             | 0 |  |
| 20              | QPSK       | 1       | 99        | 20.75                   | 20.74                             | 20.78                      | 20.75                           | 20.71                    |                        |             |   |  |
| 20              | QPSK       | 50      | 0         | 20.74                   | 20.75                             | 20.78                      | 20.71                           | 20.63                    |                        |             |   |  |
| 20              | QPSK       | 50      | 0         | 20.69                   | 20.74                             | 20.79                      | 20.71                           | 20.73                    | 22                     |             | 0 |  |
| 20              | QPSK       | 50      | 50        | 20.74                   | 20.70                             | 20.74                      | 20.76                           | 20.72                    |                        |             |   |  |
| 20              | QPSK       | 100     | 0         | 20.64                   | 20.73                             | 20.77                      | 20.65                           | 20.65                    |                        |             |   |  |
| 20              | 16QAM      | 1       | 0         | 20.63                   | 20.64                             | 20.66                      | 20.72                           | 20.65                    |                        |             |   |  |
| 20              | 16QAM      | 1       | 49        | 20.65                   | 20.71                             | 20.71                      | 20.73                           | 20.72                    | 22                     |             | 0 |  |
| 20              | 16QAM      | 1       | 99        | 20.74                   | 20.64                             | 20.69                      | 20.63                           | 20.72                    |                        |             |   |  |
| 20              | 64QAM      | 1       | 0         | 20.38                   | 20.38                             | 20.65                      | 20.61                           | 20.41                    |                        |             |   |  |
| 20              | 16QAM      | 50      | 24        | 20.48                   | 20.27                             | 20.45                      | 20.61                           | 20.56                    | 22                     |             | 0 |  |
| 20              | 16QAM      | 50      | 50        | 20.55                   | 20.43                             | 20.49                      | 20.60                           | 20.56                    |                        |             |   |  |
| 20              | 16QAM      | 100     | 0         | 20.51                   | 20.43                             | 20.52                      | 20.61                           | 20.53                    |                        |             |   |  |
| 20              | 64QAM      | 1       | 0         | 20.52                   | 20.25                             | 20.60                      | 20.54                           | 20.61                    |                        |             |   |  |
| 20              | 64QAM      | 1       | 49        | 20.40                   | 20.42                             | 20.58                      | 20.49                           | 20.63                    | 22                     |             | 0 |  |
| 20              | 64QAM      | 1       | 99        | 20.49                   |                                   | 20.58                      | 20.50                           | 20.47                    |                        |             |   |  |
| 20              | 64QAM      | 50      | 0         | 19.39                   | 19.30                             | 19.51                      | 19.57                           | 19.54                    |                        |             |   |  |
| 20              | 64QAM      | 50      | 24        | 19.39                   | 19.44                             | 19.53                      | 19.48                           | 19.50                    | 21                     |             | 1 |  |
| 20              | 64QAM      | 50      | 50        | 19.38                   | 19.25                             | 19.52                      | 19.65                           | 19.43                    |                        |             |   |  |
| 20              | 64QAM      | 100     | 0         | 19.38                   | 19.22                             | 19.61                      | 19.65                           | 19.61                    |                        |             |   |  |
| 20              | 256QAM     | 1       | 0         | 17.50                   | 17.44                             | 17.51                      | 17.54                           | 17.51                    | 19                     |             | 3 |  |
| 20              | 256QAM     | 1       | 49        | 17.47                   | 17.44                             | 17.59                      | 17.54                           | 17.52                    |                        |             |   |  |
| 20              | 256QAM     | 1       | 99        | 17.49                   | 17.42                             | 17.56                      | 17.54                           | 17.47                    |                        |             |   |  |
| 20              | 256QAM     | 50      | 0         | 17.48                   | 17.39                             | 17.58                      | 17.56                           | 17.47                    |                        |             |   |  |
| 20              | 256QAM     | 50      | 24        | 17.46                   | 17.23                             | 17.66                      | 17.58                           | 17.44                    | 19                     |             | 3 |  |
| 20              | 256QAM     | 50      | 50        | 17.57                   | 17.36                             | 17.50                      | 17.48                           | 17.44                    |                        |             |   |  |
| 20              | 256QAM     | 100     | 0         | 17.57                   | 17.36                             | 17.66                      | 17.43                           | 17.41                    |                        |             |   |  |
| Channel         |            |         |           | 39725                   | 40173                             | 40620                      | 41068                           | 41515                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |   |  |
| Frequency (MHz) |            |         |           | 2503.5                  | 2548.3                            | 2593                       | 2637.8                          | 2682.5                   |                        |             |   |  |
| 15              | QPSK       | 1       | 0         | 20.67                   | 20.68                             | 20.74                      | 20.65                           | 20.67                    |                        |             |   |  |
| 15              | QPSK       | 1       | 37        | 20.64                   | 20.66                             | 20.73                      | 20.59                           | 20.68                    | 22                     |             | 0 |  |
| 15              | QPSK       | 1       | 74        | 20.69                   | 20.65                             | 20.73                      | 20.66                           | 20.64                    |                        |             |   |  |
| 15              | QPSK       | 36      | 0         | 20.68                   | 20.65                             | 20.70                      | 20.63                           | 20.59                    |                        |             |   |  |
| 15              | QPSK       | 36      | 20        | 20.64                   | 20.66                             | 20.73                      | 20.60                           | 20.60                    | 22                     |             | 0 |  |
| 15              | QPSK       | 36      | 39        | 20.60                   | 20.58                             | 20.68                      | 20.67                           | 20.62                    |                        |             |   |  |
| 15              | QPSK       | 75      | 0         | 20.71                   | 20.65                             | 20.68                      | 20.64                           | 20.68                    |                        |             |   |  |
| 15              | 16QAM      | 1       | 0         | 20.67                   | 20.58                             | 20.74                      | 20.71                           | 20.66                    | 22                     |             | 0 |  |
| 15              | 16QAM      | 1       | 37        | 20.65                   | 20.71                             | 20.68                      | 20.50                           | 20.70                    |                        |             |   |  |
| 15              | 16QAM      | 1       | 74        | 20.61                   | 20.67                             | 20.68                      | 20.58                           | 20.72                    |                        |             |   |  |
| 15              | 16QAM      | 36      | 0         | 20.20                   | 20.17                             | 20.44                      | 20.64                           | 20.35                    |                        |             |   |  |
| 15              | 16QAM      | 36      | 20        | 20.37                   | 20.25                             | 20.31                      | 20.53                           | 20.47                    | 22                     |             | 0 |  |
| 15              | 16QAM      | 36      | 39        | 20.44                   | 20.33                             | 20.33                      | 20.55                           | 20.51                    |                        |             |   |  |
| 15              | 16QAM      | 75      | 0         | 20.45                   | 20.26                             | 20.40                      | 20.48                           | 20.41                    |                        |             |   |  |
| 15              | 64QAM      | 1       | 0         | 20.45                   | 20.28                             | 20.35                      | 20.48                           | 20.52                    |                        |             |   |  |
| 15              | 64QAM      | 1       | 37        | 20.23                   | 20.30                             | 20.46                      | 20.36                           | 20.59                    | 22                     |             | 0 |  |
| 15              | 64QAM      | 1       | 74        | 20.39                   | 20.21                             | 20.48                      | 20.38                           | 20.28                    |                        |             |   |  |
| 15              | 64QAM      | 36      | 0         | 19.36                   | 19.30                             | 19.38                      | 19.42                           | 19.41                    |                        |             |   |  |
| 15              | 64QAM      | 36      | 20        | 19.28                   | 19.44                             | 19.40                      | 19.27                           | 19.41                    | 21                     |             | 1 |  |
| 15              | 64QAM      | 36      | 39        | 19.26                   | 19.38                             | 19.30                      | 19.50                           | 19.44                    |                        |             |   |  |
| 15              | 64QAM      | 75      | 0         | 19.32                   | 19.02                             | 19.40                      | 19.45                           | 19.51                    |                        |             |   |  |
| 15              | 256QAM     | 1       | 0         | 17.33                   | 17.37                             | 17.41                      | 17.43                           | 17.36                    |                        |             |   |  |
| 15              | 256QAM     | 1       | 37        | 17.27                   | 17.44                             | 17.42                      | 17.36                           | 17.47                    | 19                     |             | 3 |  |
| 15              | 256QAM     | 1       | 74        | 17.50                   | 17.41                             | 17.39                      | 17.56                           | 17.45                    |                        |             |   |  |
| 15              | 256QAM     | 36      | 0         | 17.43                   | 17.39                             | 17.37                      | 17.53                           | 17.35                    |                        |             |   |  |
| 15              | 256QAM     | 36      | 20        | 17.34                   | 17.10                             | 17.45                      | 17.53                           | 17.40                    | 19                     |             | 3 |  |
| 15              | 256QAM     | 36      | 39        | 17.40                   | 17.23                             | 17.29                      | 17.31                           | 17.35                    |                        |             |   |  |
| 15              | 256QAM     | 75      | 0         | 17.58                   | 17.23                             | 17.44                      | 17.30                           | 17.27                    |                        |             |   |  |
| Channel         |            |         |           | 39700                   | 40160                             | 40620                      | 41080                           | 41540                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |   |  |
| Frequency (MHz) |            |         |           | 2501                    | 2547                              | 2593                       | 2637.8                          | 2683                     |                        |             |   |  |
| 10              | QPSK       | 1       | 0         | 20.58                   | 20.70                             | 20.72                      | 20.63                           | 20.62                    | 22                     |             | 0 |  |
| 10              | QPSK       | 1       | 25        | 20.72                   | 20.69                             | 20.69                      | 20.58                           | 20.65                    |                        |             |   |  |
| 10              | QPSK       | 1       | 49        | 20.62                   | 20.60                             | 20.62                      | 20.61                           | 20.70                    |                        |             |   |  |
| 10              | QPSK       | 25      | 0         | 20.66                   | 20.64                             | 20.68                      | 20.72                           | 20.61                    |                        |             |   |  |
| 10              | QPSK       | 25      | 12        | 20.68                   | 20.62                             | 20.70                      | 20.59                           | 20.69                    | 22                     |             | 0 |  |
| 10              | QPSK       | 25      | 25        | 20.63                   | 20.67                             | 20.67                      | 20.66                           | 20.65                    |                        |             |   |  |
| 10              | QPSK       | 36      | 0         | 20.62                   | 20.72                             | 20.71                      | 20.66                           | 20.62                    |                        |             |   |  |
| 10              | 16QAM      | 1       | 0         | 20.64                   | 20.71                             | 20.71                      | 20.59                           | 20.72                    | 22                     |             | 0 |  |
| 10              | 16QAM      | 1       | 25        | 20.72                   | 20.64                             | 20.67                      | 20.62                           | 20.64                    |                        |             |   |  |
| 10              | 16QAM      | 1       | 49        | 20.60                   | 20.62                             | 20.74                      | 20.66                           | 20.68                    |                        |             |   |  |
| 10              | 16QAM      | 25      | 0         | 20.38                   | 20.24                             | 20.59                      | 20.59                           | 20.41                    | 22                     |             | 0 |  |
| 10              | 16QAM      | 25      | 12        | 20.27                   | 20.28                             | 20.34                      | 20.46                           | 20.48                    |                        |             |   |  |
| 10              | 16QAM      | 25      | 25        | 20.53                   | 20.44                             | 20.40                      | 20.40                           | 20.36                    |                        |             |   |  |
| 10              | 16QAM      | 50      | 0         | 20.48                   | 20.22                             | 20.39                      | 20.53                           | 20.36                    |                        |             |   |  |
| 10              | 64QAM      | 1       | 0         | 20.49                   | 20.09                             | 20.54                      | 20.50                           | 20.53                    | 22                     |             | 0 |  |
| 10              | 64QAM      | 1       | 25        | 20.29                   | 20.27                             | 20.46                      | 20.40                           | 20.51                    |                        |             |   |  |
| 10              | 64QAM      | 1       | 49        | 20.44                   | 20.15                             | 20.47                      | 20.37                           | 20.46                    |                        |             |   |  |
| 10              | 64QAM      | 25      | 0         | 19.31                   | 19.29                             | 19.39                      | 19.40                           | 19.54                    |                        |             |   |  |
| 10              | 64QAM      | 25      | 12        | 19.21                   | 19.34                             | 19.43                      | 19.35                           | 19.51                    | 21                     |             | 1 |  |
| 10              | 64QAM      | 25      | 25        | 19.18                   | 19.16                             | 19.50                      | 19.63                           | 19.26                    |                        |             |   |  |
| 10              | 64QAM      | 50      | 0         | 19.33                   | 19.21                             | 19.48                      | 19.64                           | 19.42                    |                        |             |   |  |
| 10              | 256QAM     | 1       | 0         | 17.31                   | 17.40                             | 17.38                      | 17.44                           | 17.47                    |                        |             |   |  |
| 10              | 256QAM     | 1       | 25        | 17.33                   | 17.30                             | 17.46                      | 17.51                           | 17.43                    | 19                     |             | 3 |  |
| 10              | 256QAM     | 1       | 49        | 17.32                   | 17.38                             | 17.38                      | 17.53                           | 17.34                    |                        |             |   |  |
| 10              | 256QAM     | 25      | 0         | 17.30                   | 17.37                             | 17.56                      | 17.40                           | 17.38                    |                        |             |   |  |
| 10              | 256QAM     | 25      | 12        | 17.32                   | 17.08                             | 17.54                      | 17.51                           | 17.40                    | 19                     |             | 3 |  |
| 10              | 256QAM     | 25      | 25        | 17.35                   | 17.21                             | 17.51                      | 17.28                           | 17.47                    |                        |             |   |  |
| 10              | 256QAM     | 50      | 0         | 17.55                   | 17.19                             | 17.57                      | 17.32                           | 17.38                    |                        |             |   |  |
| Channel         |            |         |           | 39715                   | 40165                             | 40620                      | 41090                           | 41505                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |   |  |
| Frequency (MHz) |            |         |           | 2498.5                  | 2545.8                            | 2593                       | 2640.30                         | 2687.5                   |                        |             |   |  |
| 5               | QPSK       | 1       | 0         | 20.68                   | 20.68                             | 20.65                      | 20.64                           | 20.63                    | 22                     |             | 0 |  |
| 5               | QPSK       | 1       | 12        | 20.63                   | 20.58                             | 20.72                      | 20.66                           | 20.61                    |                        |             |   |  |
| 5               | QPSK       | 1       | 24        | 20.65                   | 20.69                             | 20.67                      | 20.58                           | 20.63                    |                        |             |   |  |
| 5               | QPSK       | 12      | 0         | 20.69                   | 20.69                             | 20.71                      | 20.72                           | 20.67                    | 22                     |             | 0 |  |
| 5               | QPSK       | 12      | 0         | 20.64                   | 20.70                             | 20.74                      | 20.66                           | 20.62                    |                        |             |   |  |
| 5               | QPSK       | 12      | 13        | 20.64                   | 20.59                             | 20.66                      | 20.71                           | 20.62                    |                        |             |   |  |
| 5               | QPSK       | 25      | 0         | 20.67                   | 20.64                             | 20.61                      | 20.62                           | 20.65                    |                        |             |   |  |
| 5               | 16QAM      | 1       | 0         | 20.71                   | 20.66                             | 20.68                      | 20.72                           | 20.69                    |                        |             |   |  |
| 5               | 16QAM      | 1       | 12        | 20.68                   | 20.68                             | 20.73                      | 20.60                           | 20.67                    | 22                     |             | 0 |  |
| 5               | 16QAM      | 1       | 24        | 20.59                   | 20.62                             | 20.63                      | 20.54                           | 20.61                    |                        |             |   |  |
| 5               | 16QAM      | 12      | 0         | 20.26                   | 20.29                             | 20.62                      | 20.54                           | 20.36                    |                        |             |   |  |
| 5               | 16QAM      | 12      | 7         | 20.31                   | 20.13                             | 20.28                      | 20.49                           | 20.34                    | 22                     |             | 0 |  |
| 5               | 16QAM      | 12      | 13        | 20.41                   | 20.45                             | 20.44                      | 20.62                           | 20.40                    |                        |             |   |  |
| 5               | 16QAM      | 25      | 0         | 20.45                   | 20.34                             | 20.33                      | 20.48                           | 20.55                    |                        |             |   |  |
| 5               | 64QAM      | 1       | 0         | 20.35                   | 20.26                             | 20.52                      | 20.34                           | 20.45                    | 22                     |             | 0 |  |
| 5               | 64QAM      | 1       | 12        | 20.36                   | 20.35                             | 20.38                      | 20.32                           | 20.47                    |                        |             |   |  |
| 5               | 64QAM      | 1       | 24        | 20.30                   | 20.12                             | 20.47                      | 20.33                           | 20.44                    |                        |             |   |  |
| 5               | 64QAM      | 12      | 0         | 19.33                   | 19.22                             | 19.52                      | 19.46                           | 19.43                    |                        |             |   |  |
| 5               | 64QAM      | 12      | 7         | 19.26                   | 19.25                             | 19.41                      | 19.47                           | 19.49                    | 21                     |             | 1 |  |
| 5               | 64QAM      | 12      | 13        | 19.37                   | 19.19                             | 19.48                      | 19.62                           | 19.37                    |                        |             |   |  |
| 5               | 64QAM      | 25      | 0         | 19.21                   | 19.22                             | 19.53                      | 19.64                           | 19.36                    |                        |             |   |  |
| 5               | 256QAM     | 1       | 0         | 17.28                   | 17.44                             | 17.34                      | 17.56                           | 17.38                    | 19                     |             | 3 |  |
| 5               | 256QAM     | 1       | 12        | 17.35                   | 17.38                             | 17.48                      | 17.41                           | 17.50                    |                        |             |   |  |
| 5               | 256QAM     | 1       | 24        | 17.48                   | 17.36                             | 17.56                      | 17.37                           | 17.33                    |                        |             |   |  |
| 5               | 256QAM     | 12      | 0         | 17.31                   | 17.18                             | 17.39                      | 17.42                           | 17.34                    |                        |             |   |  |
| 5               | 256QAM     | 12      | 7         | 17.44                   | 17.28                             | 17.48                      | 17.41                           | 17.34                    | 19                     |             | 3 |  |
| 5               | 256QAM     | 12      | 13        | 17.37                   | 17.39                             | 17.49                      | 17.36                           | 17.45                    |                        |             |   |  |
| 5               | 256QAM     | 25      | 0         | 17.37                   | 17.28                             | 17.68                      | 17.38                           | 17.31                    |                        |             |   |  |

| Band 42 FCC Part27Q Ant 5 |            |         |           |                       |                          |                        |                     |          |  |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                  | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           | 42190                 | 42590                    | 42990                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3460                  | 3500                     | 3540                   |                     |          |  |
| 20                        | QPSK       | 1       | 0         | 20.18                 | 20.23                    | 20.16                  | 21.6                | 0        |  |
| 20                        | QPSK       | 1       | 49        | 20.09                 | 20.21                    | 20.17                  |                     |          |  |
| 20                        | QPSK       | 1       | 99        | 20.16                 | 20.10                    | 20.11                  |                     |          |  |
| 20                        | QPSK       | 50      | 0         | 20.10                 | 20.22                    | 20.06                  | 21.6                | 0        |  |
| 20                        | QPSK       | 50      | 24        | 20.13                 | 20.20                    | 20.18                  |                     |          |  |
| 20                        | QPSK       | 50      | 50        | 20.05                 | 20.17                    | 20.11                  |                     |          |  |
| 20                        | QPSK       | 100     | 0         | 20.13                 | 20.18                    | 20.05                  | 21.6                | 0        |  |
| 20                        | 16QAM      | 1       | 0         | 20.09                 | 20.13                    | 20.18                  |                     |          |  |
| 20                        | 16QAM      | 1       | 49        | 20.09                 | 20.08                    | 20.06                  |                     |          |  |
| 20                        | 16QAM      | 1       | 99        | 20.06                 | 20.12                    | 20.18                  | 21.6                | 0        |  |
| 20                        | 16QAM      | 50      | 0         | 20.12                 | 20.14                    | 20.07                  |                     |          |  |
| 20                        | 16QAM      | 50      | 24        | 20.17                 | 20.21                    | 20.08                  |                     |          |  |
| 20                        | 16QAM      | 50      | 50        | 20.14                 | 20.21                    | 20.18                  | 21.6                | 0        |  |
| 20                        | 16QAM      | 100     | 0         | 20.13                 | 20.21                    | 20.14                  |                     |          |  |
| 20                        | 64QAM      | 1       | 0         | 20.18                 | 20.15                    | 20.11                  |                     |          |  |
| 20                        | 64QAM      | 1       | 49        | 20.09                 | 20.21                    | 20.10                  | 21.6                | 0        |  |
| 20                        | 64QAM      | 1       | 99        | 20.13                 | 20.19                    | 20.09                  |                     |          |  |
| 20                        | 64QAM      | 50      | 0         | 20.19                 | 20.18                    | 20.18                  |                     |          |  |
| 20                        | 64QAM      | 50      | 24        | 20.14                 | 20.15                    | 20.11                  | 21                  | 0.6      |  |
| 20                        | 64QAM      | 50      | 50        | 20.18                 | 20.22                    | 20.11                  |                     |          |  |
| 20                        | 64QAM      | 100     | 0         | 20.10                 | 20.16                    | 20.15                  |                     |          |  |
| 20                        | 256QAM     | 1       | 0         | 18.04                 | 18.18                    | 18.06                  | 19                  | 2.6      |  |
| 20                        | 256QAM     | 1       | 49        | 17.91                 | 18.19                    | 18.09                  |                     |          |  |
| 20                        | 256QAM     | 1       | 99        | 18.08                 | 18.11                    | 18.14                  |                     |          |  |
| 20                        | 256QAM     | 50      | 0         | 17.82                 | 18.30                    | 17.95                  | 19                  | 2.6      |  |
| 20                        | 256QAM     | 50      | 24        | 18.12                 | 18.14                    | 18.07                  |                     |          |  |
| 20                        | 256QAM     | 50      | 50        | 18.01                 | 18.25                    | 18.13                  |                     |          |  |
| 20                        | 256QAM     | 100     | 0         | 18.07                 | 18.29                    | 18.17                  | 19                  | 2.6      |  |
| Channel                   |            |         |           | 42165                 | 42590                    | 43015                  |                     |          |  |
| Frequency (MHz)           |            |         |           | 3457.5                | 3500                     | 3542.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| 15                        | QPSK       | 1       | 0         | 20.06                 | 20.13                    | 20.02                  | 21.6                | 0        |  |
| 15                        | QPSK       | 1       | 37        | 20.04                 | 20.10                    | 20.02                  |                     |          |  |
| 15                        | QPSK       | 1       | 74        | 20.02                 | 20.07                    | 20.06                  |                     |          |  |
| 15                        | QPSK       | 36      | 0         | 20.06                 | 20.10                    | 20.13                  | 21.6                | 0        |  |
| 15                        | QPSK       | 36      | 20        | 20.07                 | 20.12                    | 20.01                  |                     |          |  |
| 15                        | QPSK       | 36      | 39        | 20.06                 | 20.09                    | 20.11                  |                     |          |  |
| 15                        | QPSK       | 75      | 0         | 20.11                 | 20.13                    | 20.14                  | 21.6                | 0        |  |
| 15                        | 16QAM      | 1       | 0         | 20.06                 | 20.11                    | 20.12                  |                     |          |  |
| 15                        | 16QAM      | 1       | 37        | 20.12                 | 20.05                    | 20.03                  |                     |          |  |
| 15                        | 16QAM      | 1       | 74        | 20.07                 | 20.05                    | 20.08                  | 21.6                | 0        |  |
| 15                        | 16QAM      | 36      | 0         | 20.02                 | 20.16                    | 20.08                  |                     |          |  |
| 15                        | 16QAM      | 36      | 20        | 20.10                 | 20.16                    | 20.11                  |                     |          |  |
| 15                        | 16QAM      | 36      | 39        | 20.05                 | 20.08                    | 20.07                  | 21.6                | 0        |  |
| 15                        | 16QAM      | 75      | 0         | 20.06                 | 20.15                    | 20.12                  |                     |          |  |
| 15                        | 64QAM      | 1       | 0         | 20.12                 | 20.09                    | 20.13                  |                     |          |  |
| 15                        | 64QAM      | 1       | 37        | 20.02                 | 20.10                    | 20.08                  | 21.6                | 0        |  |
| 15                        | 64QAM      | 1       | 74        | 20.01                 | 20.08                    | 20.10                  |                     |          |  |
| 15                        | 64QAM      | 36      | 0         | 20.08                 | 20.10                    | 20.11                  |                     |          |  |
| 15                        | 64QAM      | 36      | 20        | 20.08                 | 20.07                    | 20.05                  | 21                  | 0.6      |  |
| 15                        | 64QAM      | 36      | 39        | 20.13                 | 20.11                    | 20.02                  |                     |          |  |
| 15                        | 64QAM      | 75      | 0         | 20.00                 | 20.08                    | 20.13                  |                     |          |  |
| 15                        | 256QAM     | 1       | 0         | 17.86                 | 18.15                    | 17.86                  | 19                  | 2.6      |  |
| 15                        | 256QAM     | 1       | 37        | 17.77                 | 18.01                    | 18.10                  |                     |          |  |
| 15                        | 256QAM     | 1       | 74        | 18.06                 | 18.05                    | 18.06                  |                     |          |  |
| 15                        | 256QAM     | 36      | 0         | 17.85                 | 18.21                    | 17.75                  | 19                  | 2.6      |  |
| 15                        | 256QAM     | 36      | 20        | 17.92                 | 18.10                    | 17.90                  |                     |          |  |
| 15                        | 256QAM     | 36      | 39        | 17.98                 | 18.12                    | 18.08                  |                     |          |  |
| 15                        | 256QAM     | 75      | 0         | 18.00                 | 18.21                    | 17.95                  | 19                  | 2.6      |  |
| Channel                   |            |         |           | 42140                 | 42590                    | 43040                  |                     |          |  |
| Frequency (MHz)           |            |         |           | 3455                  | 3500                     | 3545                   | Tune-up limit (dBm) | MPR (dB) |  |
| 10                        | QPSK       | 1       | 0         | 20.11                 | 20.17                    | 20.09                  | 21.6                | 0        |  |
| 10                        | QPSK       | 1       | 25        | 20.05                 | 20.17                    | 20.05                  |                     |          |  |
| 10                        | QPSK       | 1       | 49        | 20.06                 | 20.15                    | 20.06                  |                     |          |  |
| 10                        | QPSK       | 25      | 0         | 20.01                 | 20.11                    | 20.02                  | 21.6                | 0        |  |
| 10                        | QPSK       | 25      | 12        | 20.10                 | 20.06                    | 20.06                  |                     |          |  |
| 10                        | QPSK       | 25      | 25        | 20.08                 | 20.13                    | 20.05                  |                     |          |  |
| 10                        | QPSK       | 50      | 0         | 20.05                 | 20.16                    | 20.02                  | 21.6                | 0        |  |
| 10                        | 16QAM      | 1       | 0         | 20.03                 | 20.13                    | 20.09                  |                     |          |  |
| 10                        | 16QAM      | 1       | 25        | 20.07                 | 20.08                    | 20.12                  |                     |          |  |
| 10                        | 16QAM      | 1       | 49        | 20.10                 | 20.16                    | 20.04                  | 21.6                | 0        |  |
| 10                        | 16QAM      | 25      | 0         | 20.05                 | 20.05                    | 20.07                  |                     |          |  |
| 10                        | 16QAM      | 25      | 12        | 20.06                 | 20.07                    | 20.13                  |                     |          |  |
| 10                        | 16QAM      | 25      | 25        | 20.07                 | 20.08                    | 20.08                  | 21.6                | 0        |  |
| 10                        | 16QAM      | 50      | 0         | 20.02                 | 20.08                    | 20.11                  |                     |          |  |
| 10                        | 64QAM      | 1       | 0         | 20.07                 | 20.15                    | 20.11                  |                     |          |  |
| 10                        | 64QAM      | 1       | 25        | 20.04                 | 20.16                    | 20.11                  | 21.6                | 0        |  |
| 10                        | 64QAM      | 1       | 49        | 20.09                 | 20.06                    | 20.09                  |                     |          |  |
| 10                        | 64QAM      | 25      | 0         | 20.10                 | 20.07                    | 20.12                  |                     |          |  |
| 10                        | 64QAM      | 25      | 12        | 20.06                 | 20.06                    | 20.07                  | 21                  | 0.6      |  |
| 10                        | 64QAM      | 25      | 25        | 20.05                 | 20.06                    | 20.13                  |                     |          |  |
| 10                        | 64QAM      | 50      | 0         | 20.07                 | 20.09                    | 20.11                  |                     |          |  |
| 10                        | 256QAM     | 1       | 0         | 17.99                 | 17.99                    | 17.88                  | 19                  | 2.6      |  |
| 10                        | 256QAM     | 1       | 25        | 17.89                 | 18.14                    | 17.99                  |                     |          |  |
| 10                        | 256QAM     | 1       | 49        | 18.06                 | 18.01                    | 17.96                  |                     |          |  |
| 10                        | 256QAM     | 25      | 0         | 17.91                 | 18.18                    | 17.79                  | 19                  | 2.6      |  |
| 10                        | 256QAM     | 25      | 12        | 17.98                 | 18.07                    | 17.89                  |                     |          |  |
| 10                        | 256QAM     | 25      | 25        | 17.79                 | 18.08                    | 17.96                  |                     |          |  |
| 10                        | 256QAM     | 50      | 0         | 18.04                 | 18.13                    | 17.99                  | 19                  | 2.6      |  |
| Channel                   |            |         |           | 42115                 | 42590                    | 43065                  |                     |          |  |
| Frequency (MHz)           |            |         |           | 3452.5                | 3500                     | 3547.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| 5                         | QPSK       | 1       | 0         | 20.08                 | 20.17                    | 20.09                  | 21.6                | 0        |  |
| 5                         | QPSK       | 1       | 12        | 20.11                 | 20.11                    | 20.05                  |                     |          |  |
| 5                         | QPSK       | 1       | 24        | 20.09                 | 20.09                    | 20.03                  |                     |          |  |
| 5                         | QPSK       | 12      | 0         | 20.04                 | 20.05                    | 20.12                  | 21.6                | 0        |  |
| 5                         | QPSK       | 12      | 7         | 20.12                 | 20.04                    | 20.06                  |                     |          |  |
| 5                         | QPSK       | 12      | 13        | 20.01                 | 20.07                    | 20.00                  |                     |          |  |
| 5                         | QPSK       | 25      | 0         | 20.02                 | 20.06                    | 20.01                  | 21.6                | 0        |  |
| 5                         | 16QAM      | 1       | 0         | 20.01                 | 20.11                    | 20.09                  |                     |          |  |
| 5                         | 16QAM      | 1       | 12        | 20.09                 | 20.09                    | 20.03                  |                     |          |  |
| 5                         | 16QAM      | 1       | 24        | 20.11                 | 20.14                    | 20.09                  | 21.6                | 0        |  |
| 5                         | 16QAM      | 12      | 0         | 20.05                 | 20.14                    | 20.05                  |                     |          |  |
| 5                         | 16QAM      | 12      | 7         | 20.08                 | 20.06                    | 20.07                  |                     |          |  |
| 5                         | 16QAM      | 12      | 13        | 20.14                 | 20.15                    | 20.11                  | 21.6                | 0        |  |
| 5                         | 16QAM      | 25      | 0         | 20.04                 | 20.09                    | 20.01                  |                     |          |  |
| 5                         | 64QAM      | 1       | 0         | 20.02                 | 20.07                    | 20.06                  |                     |          |  |
| 5                         | 64QAM      | 1       | 12        | 20.01                 | 20.14                    | 20.10                  | 21.6                | 0        |  |
| 5                         | 64QAM      | 1       | 24        | 20.07                 | 20.13                    | 20.07                  |                     |          |  |
| 5                         | 64QAM      | 12      | 0         | 20.12                 | 20.09                    | 20.03                  |                     |          |  |
| 5                         | 64QAM      | 12      | 7         | 20.02                 | 20.03                    | 20.06                  | 21                  | 0.6      |  |
| 5                         | 64QAM      | 12      | 13        | 20.07                 | 20.11                    | 20.13                  |                     |          |  |
| 5                         | 64QAM      | 25      | 0         | 20.04                 | 20.10                    | 20.14                  |                     |          |  |
| 5                         | 256QAM     | 1       | 0         | 18.04                 | 18.07                    | 18.02                  | 19                  | 2.6      |  |
| 5                         | 256QAM     | 1       | 12        | 17.83                 | 18.16                    | 17.96                  |                     |          |  |
| 5                         | 256QAM     | 1       | 24        | 18.06                 | 18.05                    | 18.08                  |                     |          |  |
| 5                         | 256QAM     | 12      | 0         | 17.90                 | 18.25                    | 17.78                  | 19                  | 2.6      |  |
| 5                         | 256QAM     | 12      | 7         | 18.00                 | 18.13                    | 17.99                  |                     |          |  |
| 5                         | 256QAM     | 12      | 13        | 17.92                 | 18.26                    | 18.13                  |                     |          |  |
| 5                         | 256QAM     | 25      | 0         | 18.04                 | 18.15                    | 18.15                  | 19                  | 2.6      |  |
| Channel                   |            |         |           | 42115                 | 42590                    | 43065                  |                     |          |  |
| Frequency (MHz)           |            |         |           | 3452.5                | 3500                     | 3547.5                 | Tune-up limit (dBm) | MPR (dB) |  |

### Reduced Power Mode for DSI7

| GSM850 Ant 0    |  | Burst Average Power (dBm) |       |       | Tune-up<br>Limit<br>(dBm) | Frame Average Power (dBm) |       |       | Tune-up<br>Limit<br>(dBm) |
|-----------------|--|---------------------------|-------|-------|---------------------------|---------------------------|-------|-------|---------------------------|
| TX Channel      |  | 124                       | 168   | 251   |                           | 124                       | 168   | 251   |                           |
| Frequency (MHz) |  | 824.2                     | 836.4 | 848.8 |                           | 824.2                     | 836.4 | 848.8 |                           |
| GSM 1 Tx slot   |  | 32.75                     | 32.84 | 32.78 | 33.50                     | 23.75                     | 23.84 | 23.78 | 24.50                     |
| GPRS 1 Tx slot  |  | 32.72                     | 32.81 | 32.76 | 33.50                     | 23.72                     | 23.81 | 23.76 | 24.50                     |
| GPRS 2 Tx slots |  | 29.53                     | 29.31 | 29.65 | 30.50                     | 23.53                     | 23.31 | 23.55 | 24.50                     |
| GPRS 3 Tx slots |  | 27.72                     | 27.53 | 27.50 | 28.50                     | 23.48                     | 23.27 | 23.24 | 24.24                     |
| GPRS 4 Tx slots |  | 26.41                     | 26.38 | 26.30 | 27.50                     | 23.41                     | 23.38 | 23.30 | 24.50                     |
| EDGE 1 Tx slot  |  | 26.76                     | 26.71 | 26.73 | 27.50                     | 17.76                     | 17.71 | 17.73 | 18.50                     |
| EDGE 2 Tx slots |  | 25.39                     | 25.32 | 25.35 | 26.50                     | 19.39                     | 19.32 | 19.35 | 20.50                     |
| EDGE 3 Tx slots |  | 23.86                     | 23.66 | 23.70 | 24.50                     | 19.60                     | 19.40 | 19.44 | 20.24                     |
| EDGE 4 Tx slots |  | 21.64                     | 21.65 | 21.54 | 22.50                     | 18.64                     | 18.65 | 18.54 | 19.50                     |

| Band                         |  | WCDMA V Ant 0 |       |       | Tune-up<br>Limit<br>(dBm) |
|------------------------------|--|---------------|-------|-------|---------------------------|
| TX Channel                   |  | 4132          | 4182  | 4233  |                           |
| Rx Channel                   |  | 4357          | 4407  | 4458  |                           |
| Frequency (MHz)              |  | 824.2         | 836.4 | 848.8 |                           |
| 3GPP Rel 99 RMC 12.2Kbps     |  | 22.93         | 22.95 | 22.73 | 24.00                     |
| 3GPP Rel 99 RMC 12.2Kbps     |  | 22.95         | 23.03 | 22.96 | 24.00                     |
| 3GPP Rel 6 HSDPA Subtest-1   |  | 22.05         | 22.00 | 21.90 | 23.00                     |
| 3GPP Rel 6 HSDPA Subtest-2   |  | 22.01         | 21.96 | 21.99 | 23.00                     |
| 3GPP Rel 6 HSDPA Subtest-3   |  | 21.53         | 21.58 | 21.52 | 22.50                     |
| 3GPP Rel 6 HSDPA Subtest-4   |  | 21.47         | 21.46 | 21.52 | 22.50                     |
| 3GPP Rel 6 DCHSDPA Subtest-1 |  | 22.02         | 21.95 | 22.03 | 23.00                     |
| 3GPP Rel 6 DCHSDPA Subtest-2 |  | 22.04         | 22.04 | 21.82 | 23.00                     |
| 3GPP Rel 6 DCHSDPA Subtest-3 |  | 21.50         | 21.48 | 21.37 | 22.50                     |
| 3GPP Rel 6 DCHSDPA Subtest-4 |  | 21.37         | 21.62 | 21.49 | 22.50                     |
| 3GPP Rel 6 HSUPA Subtest-1   |  | 21.93         | 22.02 | 22.03 | 23.00                     |
| 3GPP Rel 6 HSUPA Subtest-2   |  | 20.05         | 19.97 | 19.86 | 21.00                     |
| 3GPP Rel 6 HSUPA Subtest-3   |  | 21.05         | 20.94 | 20.85 | 22.00                     |
| 3GPP Rel 6 HSUPA Subtest-4   |  | 19.84         | 20.12 | 20.03 | 21.00                     |
| 3GPP Rel 6 HSUPA Subtest-5   |  | 21.85         | 22.14 | 21.86 | 23.00                     |

| Band 5 Ant 0    |            |         |           |                     |                        |                             |                     |          |  |  |
|-----------------|------------|---------|-----------|---------------------|------------------------|-----------------------------|---------------------|----------|--|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq.        | Tune-up limit (dBm) | MPR (dB) |  |  |
| Channel         |            |         |           | 20450               | 20525                  | 20600                       |                     |          |  |  |
| Frequency (MHz) |            |         |           | 829                 | 836.5                  | 844                         |                     |          |  |  |
| 10              | QPSK       | 1       | 0         | 22.83               | 22.94                  | 22.88                       | 24                  | 0        |  |  |
| 10              | QPSK       | 1       | 25        | 22.65               | 22.90                  | 22.89                       |                     |          |  |  |
| 10              | QPSK       | 1       | 49        | 22.79               | 22.91                  | 22.83                       |                     |          |  |  |
| 10              | QPSK       | 25      | 0         | 21.88               | 22.07                  | 22.00                       |                     |          |  |  |
| 10              | QPSK       | 25      | 12        | 22.03               | 21.85                  | 21.97                       |                     |          |  |  |
| 10              | QPSK       | 25      | 25        | 22.06               | 21.97                  | 21.86                       | 23                  | 1        |  |  |
| 10              | QPSK       | 50      | 0         | 21.94               | 22.03                  | 21.89                       |                     |          |  |  |
| 10              | 16QAM      | 1       | 0         | 21.95               | 22.04                  | 22.01                       |                     |          |  |  |
| 10              | 16QAM      | 1       | 25        | 21.92               | 21.86                  | 21.99                       |                     |          |  |  |
| 10              | 16QAM      | 1       | 49        | 22.05               | 21.95                  | 22.03                       |                     |          |  |  |
| 10              | 16QAM      | 25      | 0         | 21.02               | 21.02                  | 20.87                       | 22                  | 2        |  |  |
| 10              | 16QAM      | 25      | 12        | 21.00               | 20.90                  | 21.05                       |                     |          |  |  |
| 10              | 16QAM      | 25      | 25        | 21.03               | 20.86                  | 20.86                       |                     |          |  |  |
| 10              | 16QAM      | 50      | 0         | 20.95               | 20.84                  | 21.01                       |                     |          |  |  |
| 10              | 64QAM      | 1       | 0         | 20.35               | 20.94                  | 20.87                       |                     |          |  |  |
| 10              | 64QAM      | 1       | 25        | 20.95               | 20.88                  | 20.93                       | 22                  | 2        |  |  |
| 10              | 64QAM      | 1       | 49        | 21.08               | 20.90                  | 20.88                       |                     |          |  |  |
| 10              | 64QAM      | 25      | 0         | 19.93               | 19.90                  | 19.84                       |                     |          |  |  |
| 10              | 64QAM      | 25      | 12        | 19.87               | 19.92                  | 20.03                       |                     |          |  |  |
| 10              | 64QAM      | 25      | 25        | 19.94               | 19.84                  | 19.92                       |                     |          |  |  |
| 10              | 256QAM     | 1       | 0         | 18.07               | 18.02                  | 17.98                       | 21                  | 3        |  |  |
| 10              | 256QAM     | 1       | 25        | 18.09               | 18.03                  | 18.05                       |                     |          |  |  |
| 10              | 256QAM     | 1       | 49        | 18.03               | 18.03                  | 18.08                       |                     |          |  |  |
| 10              | 256QAM     | 25      | 0         | 17.89               | 17.97                  | 17.99                       |                     |          |  |  |
| 10              | 256QAM     | 25      | 12        | 18.11               | 17.91                  | 18.05                       |                     |          |  |  |
| 10              | 256QAM     | 25      | 25        | 17.92               | 17.93                  | 17.96                       | 19                  | 5        |  |  |
| 10              | 256QAM     | 50      | 0         | 18.03               | 18.01                  | 17.97                       |                     |          |  |  |
| Channel         |            |         |           | 20425               | 20525                  | 20625                       | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 826.5               | 836.5                  | 846.5 <td colspan="4"></td> |                     |          |  |  |
| 5               | QPSK       | 1       | 0         | 22.66               | 22.85                  | 22.76                       | 24                  | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 22.32               | 22.90                  | 22.72                       |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 22.65               | 22.84                  | 22.83                       |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 21.90               | 22.02                  | 21.99                       |                     |          |  |  |
| 5               | QPSK       | 12      | 7         | 22.00               | 21.83                  | 21.87                       |                     |          |  |  |
| 5               | QPSK       | 12      | 13        | 22.04               | 21.90                  | 21.82                       | 23                  | 1        |  |  |
| 5               | QPSK       | 25      | 0         | 21.50               | 21.88                  | 21.76                       |                     |          |  |  |
| 5               | 16QAM      | 1       | 0         | 21.86               | 21.86                  | 21.81                       |                     |          |  |  |
| 5               | 16QAM      | 1       | 12        | 21.81               | 21.78                  | 21.93                       |                     |          |  |  |
| 5               | 16QAM      | 1       | 24        | 21.86               | 21.76                  | 21.99                       |                     |          |  |  |
| 5               | 16QAM      | 12      | 0         | 20.90               | 20.82                  | 20.75                       | 22                  | 2        |  |  |
| 5               | 16QAM      | 12      | 7         | 21.02               | 20.80                  | 20.87                       |                     |          |  |  |
| 5               | 16QAM      | 12      | 13        | 20.85               | 20.89                  | 20.87                       |                     |          |  |  |
| 5               | 16QAM      | 25      | 0         | 20.73               | 20.85                  | 20.90                       |                     |          |  |  |
| 5               | 64QAM      | 1       | 0         | 20.84               | 20.92                  | 20.86                       |                     |          |  |  |
| 5               | 64QAM      | 1       | 12        | 20.79               | 20.72                  | 20.92                       | 22                  | 2        |  |  |
| 5               | 64QAM      | 1       | 24        | 20.96               | 20.88                  | 20.81                       |                     |          |  |  |
| 5               | 64QAM      | 12      | 0         | 19.88               | 19.74                  | 19.84                       |                     |          |  |  |
| 5               | 64QAM      | 12      | 7         | 19.82               | 19.71                  | 19.83                       |                     |          |  |  |
| 5               | 64QAM      | 12      | 13        | 19.94               | 19.94                  | 19.77                       |                     |          |  |  |
| 5               | 64QAM      | 25      | 0         | 19.94               | 19.71                  | 19.71                       | 19                  | 5        |  |  |
| 5               | 256QAM     | 1       | 0         | 17.91               | 18.04                  | 17.91                       |                     |          |  |  |
| 5               | 256QAM     | 1       | 12        | 17.80               | 17.95                  | 17.89                       |                     |          |  |  |
| 5               | 256QAM     | 1       | 24        | 17.91               | 17.96                  | 18.04                       |                     |          |  |  |
| 5               | 256QAM     | 12      | 0         | 17.85               | 17.92                  | 17.94                       |                     |          |  |  |
| 5               | 256QAM     | 12      | 7         | 18.00               | 17.74                  | 18.05                       | 19                  | 5        |  |  |
| 5               | 256QAM     | 12      | 13        | 17.74               | 17.94                  | 17.75                       |                     |          |  |  |
| 5               | 256QAM     | 25      | 0         | 18.00               | 18.03                  | 17.81                       |                     |          |  |  |
| Channel         |            |         |           | 20475               | 20525                  | 20625                       | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 835.5               | 836.5                  | 847.5                       |                     |          |  |  |
| 3               | QPSK       | 1       | 0         | 22.80               | 22.93                  | 22.89                       | 24                  | 0        |  |  |
| 3               | QPSK       | 1       | 8         | 22.60               | 22.92                  | 22.69                       |                     |          |  |  |
| 3               | QPSK       | 1       | 14        | 22.61               | 22.88                  | 22.83                       |                     |          |  |  |
| 3               | QPSK       | 8       | 0         | 21.71               | 21.91                  | 21.87                       |                     |          |  |  |
| 3               | QPSK       | 8       | 4         | 21.50               | 21.72                  | 21.85                       |                     |          |  |  |
| 3               | QPSK       | 8       | 7         | 22.01               | 21.85                  | 21.76                       | 23                  | 1        |  |  |
| 3               | QPSK       | 15      | 0         | 21.75               | 21.88                  | 21.70                       |                     |          |  |  |
| 3               | 16QAM      | 1       | 0         | 21.84               | 22.06                  | 22.00                       |                     |          |  |  |
| 3               | 16QAM      | 1       | 8         | 21.75               | 21.70                  | 21.92                       |                     |          |  |  |
| 3               | 16QAM      | 1       | 14        | 21.84               | 21.73                  | 21.92                       |                     |          |  |  |
| 3               | 16QAM      | 8       | 0         | 20.81               | 20.94                  | 20.86                       | 22                  | 2        |  |  |
| 3               | 16QAM      | 8       | 7         | 20.80               | 20.74                  | 21.00                       |                     |          |  |  |
| 3               | 16QAM      | 8       | 7         | 20.86               | 20.81                  | 20.74                       |                     |          |  |  |
| 3               | 16QAM      | 15      | 0         | 20.75               | 20.71                  | 20.98                       |                     |          |  |  |
| 3               | 64QAM      | 1       | 0         | 20.81               | 20.75                  | 20.74                       |                     |          |  |  |
| 3               | 64QAM      | 1       | 8         | 20.86               | 20.76                  | 20.73                       | 22                  | 2        |  |  |
| 3               | 64QAM      | 1       | 14        | 20.89               | 20.73                  | 20.85                       |                     |          |  |  |
| 3               | 64QAM      | 8       | 0         | 19.90               | 19.74                  | 19.82                       |                     |          |  |  |
| 3               | 64QAM      | 8       | 4         | 19.67               | 19.77                  | 19.92                       |                     |          |  |  |
| 3               | 64QAM      | 8       | 7         | 19.82               | 19.87                  | 19.89                       |                     |          |  |  |
| 3               | 64QAM      | 15      | 0         | 19.79               | 19.71                  | 19.92                       | 21                  | 3        |  |  |
| 3               | 256QAM     | 1       | 0         | 18.02               | 17.96                  | 17.76                       |                     |          |  |  |
| 3               | 256QAM     | 1       | 8         | 17.96               | 17.95                  | 17.87                       |                     |          |  |  |
| 3               | 256QAM     | 1       | 14        | 17.85               | 18.04                  | 18.02                       |                     |          |  |  |
| 3               | 256QAM     | 8       | 0         | 17.77               | 17.95                  | 17.89                       |                     |          |  |  |
| 3               | 256QAM     | 8       | 4         | 18.06               | 17.90                  | 17.90                       | 19                  | 5        |  |  |
| 3               | 256QAM     | 8       | 7         | 17.71               | 17.90                  | 17.91                       |                     |          |  |  |
| 3               | 256QAM     | 15      | 0         | 17.88               | 17.90                  | 17.96                       |                     |          |  |  |
| Channel         |            |         |           | 20497               | 20525                  | 20643                       | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 824.7               | 836.5                  | 848.3                       |                     |          |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.69               | 22.92                  | 22.82                       | 24                  | 0        |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.59               | 22.85                  | 22.81                       |                     |          |  |  |
| 1.4             | QPSK       | 1       | 5         | 22.59               | 22.82                  | 22.62                       |                     |          |  |  |
| 1.4             | QPSK       | 3       | 0         | 22.73               | 22.91                  | 22.76                       |                     |          |  |  |
| 1.4             | QPSK       | 3       | 3         | 22.77               | 22.85                  | 22.67                       |                     |          |  |  |
| 1.4             | QPSK       | 6       | 0         | 21.93               | 21.88                  | 21.85                       | 23                  | 1        |  |  |
| 1.4             | 16QAM      | 1       | 0         | 21.87               | 21.99                  | 21.85                       |                     |          |  |  |
| 1.4             | 16QAM      | 1       | 3         | 21.71               | 21.88                  | 21.96                       |                     |          |  |  |
| 1.4             | 16QAM      | 1       | 5         | 21.84               | 21.87                  | 21.81                       |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 0         | 21.84               | 21.84                  | 21.73                       |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.94               | 22.00                  | 21.97                       | 23                  | 1        |  |  |
| 1.4             | 16QAM      | 3       | 3         | 21.74               | 21.68                  | 21.79                       |                     |          |  |  |
| 1.4             | 16QAM      | 6       | 0         | 20.84               | 20.69                  | 20.99                       |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 0         | 20.77               | 20.80                  | 20.81                       |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 3         | 20.83               | 20.68                  | 20.89                       |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 5         | 20.91               | 20.84                  | 20.68                       | 22                  | 2        |  |  |
| 1.4             | 64QAM      | 3       | 0         | 20.98               | 20.76                  | 21.00                       |                     |          |  |  |
| 1.4             | 64QAM      | 3       | 1         | 20.84               | 20.85                  | 20.83                       |                     |          |  |  |
| 1.4             | 64QAM      | 3       | 3         | 20.92               | 20.73                  | 20.99                       |                     |          |  |  |
| 1.4             | 64QAM      | 6       | 0         | 19.76               | 19.76                  | 19.78                       |                     |          |  |  |
| 1.4             | 256QAM     | 1       | 0         | 18.02               | 17.99                  | 17.83                       | 21                  | 3        |  |  |
| 1.4             | 256QAM     | 1       | 3         | 18.03               | 17.99                  | 17.97                       |                     |          |  |  |
| 1.4             | 256QAM     | 1       | 5         | 18.04               | 17.90                  | 18.00                       |                     |          |  |  |
| 1.4             | 256QAM     | 3       | 0         | 17.88               | 17.92                  | 17.87                       |                     |          |  |  |
| 1.4             | 256QAM     | 3       | 0         | 18.02               | 17.76                  | 17.97                       | 19                  | 5        |  |  |
| 1.4             | 256QAM     | 3       | 3         | 17.73               | 17.83                  | 17.95                       |                     |          |  |  |
| 1.4             | 256QAM     | 6       | 0         | 17.89               | 17.93                  | 17.78                       |                     |          |  |  |
| 1.4             | 256QAM     | 6       | 0         | 17.89               | 17.93                  | 17.78                       |                     |          |  |  |
| 1.4             | 256QAM     | 6       | 0         | 17.89               | 17.93                  | 17.78                       |                     |          |  |  |

| Band 17 Ant 0   |            |         |           |                     |                     |                      |                     |          |  |
|-----------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 23750               | 23790               | 23850                |                     |          |  |
| Frequency (MHz) |            |         |           | 709                 | 710                 | 711                  |                     |          |  |
| 10              | QPSK       | 1       | 0         | 22.82               | 22.85               | 22.77                | 24                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 22.70               | 22.78               | 22.65                |                     |          |  |
| 10              | QPSK       | 1       | 49        | 22.66               | 22.78               | 22.58                |                     |          |  |
| 10              | QPSK       | 25      | 0         | 21.75               | 21.83               | 21.78                |                     |          |  |
| 10              | QPSK       | 25      | 12        | 21.78               | 21.88               | 21.92                | 23                  | 1        |  |
| 10              | QPSK       | 25      | 25        | 21.76               | 21.80               | 21.87                |                     |          |  |
| 10              | QPSK       | 50      | 0         | 21.83               | 21.90               | 21.89                |                     |          |  |
| 10              | 16QAM      | 1       | 0         | 21.82               | 21.94               | 21.73                |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 21.93               | 21.92               | 21.86                | 23                  | 1        |  |
| 10              | 16QAM      | 1       | 49        | 21.94               | 21.89               | 21.81                |                     |          |  |
| 10              | 16QAM      | 25      | 0         | 20.76               | 20.87               | 20.74                |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 20.80               | 20.80               | 20.77                |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 20.77               | 20.75               | 20.84                | 22                  | 2        |  |
| 10              | 16QAM      | 50      | 0         | 20.82               | 20.87               | 20.84                |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 20.76               | 20.77               | 20.81                |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 20.73               | 20.75               | 20.89                |                     |          |  |
| 10              | 64QAM      | 1       | 49        | 20.89               | 20.79               | 20.86                | 22                  | 2        |  |
| 10              | 64QAM      | 25      | 0         | 19.91               | 19.81               | 19.91                |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 19.72               | 19.86               | 19.75                |                     |          |  |
| 10              | 64QAM      | 25      | 25        | 19.91               | 19.81               | 19.91                |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 19.82               | 19.71               | 19.92                | 21                  | 3        |  |
| 10              | 256QAM     | 1       | 0         | 17.88               | 17.92               | 17.87                |                     |          |  |
| 10              | 256QAM     | 1       | 25        | 17.83               | 17.96               | 17.88                |                     |          |  |
| 10              | 256QAM     | 1       | 49        | 17.82               | 17.80               | 17.88                |                     |          |  |
| 10              | 256QAM     | 25      | 0         | 17.82               | 17.83               | 17.74                | 19                  | 5        |  |
| 10              | 256QAM     | 25      | 12        | 17.96               | 17.84               | 17.81                |                     |          |  |
| 10              | 256QAM     | 25      | 25        | 17.89               | 17.84               | 17.84                |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 17.87               | 17.82               | 17.96                |                     |          |  |
| Channel         |            |         |           | 23755               | 23790               | 23825                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 706.5               | 710                 | 713.5                |                     |          |  |
| 5               | QPSK       | 1       | 0         | 22.70               | 22.72               | 22.55                | 24                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 22.62               | 22.75               | 22.45                |                     |          |  |
| 5               | QPSK       | 1       | 24        | 22.65               | 22.58               | 22.50                |                     |          |  |
| 5               | QPSK       | 12      | 0         | 21.62               | 21.86               | 21.65                |                     |          |  |
| 5               | QPSK       | 12      | 7         | 21.73               | 21.72               | 21.89                | 23                  | 1        |  |
| 5               | QPSK       | 12      | 13        | 21.77               | 21.74               | 21.67                |                     |          |  |
| 5               | QPSK       | 25      | 0         | 21.64               | 21.75               | 21.67                |                     |          |  |
| 5               | 16QAM      | 1       | 0         | 21.62               | 21.82               | 21.58                |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 21.94               | 21.82               | 21.96                | 23                  | 1        |  |
| 5               | 16QAM      | 1       | 24        | 21.77               | 21.76               | 21.82                |                     |          |  |
| 5               | 16QAM      | 12      | 0         | 20.76               | 20.89               | 20.55                |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 20.67               | 20.76               | 20.57                |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 20.64               | 20.70               | 20.75                | 22                  | 2        |  |
| 5               | 16QAM      | 25      | 0         | 20.61               | 20.68               | 20.74                |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 20.63               | 20.78               | 20.72                |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 20.51               | 20.75               | 20.67                |                     |          |  |
| 5               | 64QAM      | 1       | 24        | 20.67               | 20.73               | 20.70                | 22                  | 2        |  |
| 5               | 64QAM      | 12      | 0         | 19.89               | 19.77               | 19.84                |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 19.70               | 19.79               | 19.58                |                     |          |  |
| 5               | 64QAM      | 12      | 13        | 19.85               | 19.77               | 19.81                |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 19.82               | 19.53               | 19.86                | 21                  | 3        |  |
| 5               | 256QAM     | 1       | 0         | 17.89               | 17.73               | 17.84                |                     |          |  |
| 5               | 256QAM     | 1       | 12        | 17.71               | 17.83               | 17.87                |                     |          |  |
| 5               | 256QAM     | 1       | 24        | 17.82               | 17.82               | 17.88                |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 17.76               | 17.82               | 17.80                | 19                  | 5        |  |
| 5               | 256QAM     | 12      | 7         | 17.92               | 17.70               | 17.81                |                     |          |  |
| 5               | 256QAM     | 12      | 13        | 17.73               | 17.82               | 17.79                |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 17.74               | 17.76               | 17.93                |                     |          |  |

| Band 26 Ant 0   |            |         |           |                     |                        |                      |                     |          |                     |  |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|---------------------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Middle Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |                     |  |
| Channel         |            |         |           | 26765               | 26855                  | 26955                |                     |          |                     |  |
| Frequency (MHz) |            |         |           | 831.5               | 831.5                  | 841.5                |                     |          |                     |  |
| 15              | QPSK       | 1       | 0         | 22.55               | 23.05                  | 22.85                | 24                  | 0        |                     |  |
| 15              | QPSK       | 1       | 37        | 22.84               | 22.75                  | 22.68                |                     |          |                     |  |
| 15              | QPSK       | 1       | 74        | 22.78               | 22.91                  | 22.78                |                     |          |                     |  |
| 15              | QPSK       | 36      | 0         | 21.85               | 21.95                  | 21.81                |                     |          |                     |  |
| 15              | QPSK       | 36      | 20        | 21.81               | 21.83                  | 21.75                | 23                  | 1        |                     |  |
| 15              | QPSK       | 36      | 39        | 21.84               | 21.85                  | 21.80                |                     |          |                     |  |
| 15              | QPSK       | 75      | 0         | 21.71               | 21.81                  | 21.80                |                     |          |                     |  |
| 15              | 16QAM      | 1       | 0         | 21.73               | 21.72                  | 21.76                |                     |          |                     |  |
| 15              | 16QAM      | 1       | 37        | 21.76               | 21.78                  | 21.76                | 23                  | 1        |                     |  |
| 15              | 16QAM      | 1       | 74        | 21.78               | 21.90                  | 21.92                |                     |          |                     |  |
| 15              | 16QAM      | 36      | 0         | 20.84               | 20.79                  | 20.79                |                     |          |                     |  |
| 15              | 16QAM      | 36      | 20        | 20.84               | 20.92                  | 20.84                |                     |          |                     |  |
| 15              | 16QAM      | 36      | 39        | 20.86               | 20.98                  | 20.81                | 22                  | 2        |                     |  |
| 15              | 16QAM      | 75      | 0         | 21.00               | 20.81                  | 20.97                |                     |          |                     |  |
| 15              | 64QAM      | 1       | 0         | 20.88               | 20.87                  | 20.81                |                     |          |                     |  |
| 15              | 64QAM      | 1       | 37        | 20.91               | 20.76                  | 20.89                |                     |          |                     |  |
| 15              | 64QAM      | 1       | 74        | 20.82               | 20.79                  | 20.88                | 22                  | 2        |                     |  |
| 15              | 64QAM      | 36      | 0         | 19.97               | 19.85                  | 19.88                |                     |          |                     |  |
| 15              | 64QAM      | 36      | 20        | 20.01               | 19.88                  | 19.90                |                     |          |                     |  |
| 15              | 64QAM      | 36      | 39        | 19.93               | 19.82                  | 19.97                |                     |          |                     |  |
| 15              | 64QAM      | 75      | 0         | 19.86               | 20.00                  | 19.89                | 19                  | 5        |                     |  |
| 15              | 256QAM     | 1       | 0         | 17.73               | 17.73                  | 17.87                |                     |          |                     |  |
| 15              | 256QAM     | 1       | 37        | 17.71               | 17.84                  | 17.92                |                     |          |                     |  |
| 15              | 256QAM     | 1       | 74        | 17.92               | 17.90                  | 17.84                |                     |          |                     |  |
| 15              | 256QAM     | 36      | 0         | 17.75               | 17.69                  | 17.79                | 19                  | 5        |                     |  |
| 15              | 256QAM     | 36      | 20        | 17.88               | 17.71                  | 17.78                |                     |          |                     |  |
| 15              | 256QAM     | 36      | 39        | 17.83               | 17.87                  | 17.93                |                     |          |                     |  |
| 15              | 256QAM     | 75      | 0         | 17.84               | 17.78                  | 17.81                |                     |          |                     |  |
| Channel         |            |         |           | 26740               | 26865                  | 26960                | Tune-up limit (dBm) | MPR (dB) |                     |  |
| Frequency (MHz) |            |         |           | 819                 | 831.5                  | 844                  |                     |          |                     |  |
| 10              | QPSK       | 1       | 0         | 22.71               | 22.88                  | 22.73                | 24                  | 0        |                     |  |
| 10              | QPSK       | 1       | 25        | 22.78               | 22.65                  | 22.56                |                     |          |                     |  |
| 10              | QPSK       | 1       | 49        | 22.82               | 22.75                  | 22.68                |                     |          |                     |  |
| 10              | QPSK       | 25      | 0         | 21.69               | 21.81                  | 21.61                |                     |          |                     |  |
| 10              | QPSK       | 25      | 12        | 21.77               | 21.79                  | 21.75                | 23                  | 1        |                     |  |
| 10              | QPSK       | 25      | 25        | 21.78               | 21.79                  | 21.69                |                     |          |                     |  |
| 10              | QPSK       | 50      | 0         | 21.68               | 21.60                  | 21.66                |                     |          |                     |  |
| 10              | 16QAM      | 1       | 0         | 21.70               | 21.71                  | 21.66                |                     |          |                     |  |
| 10              | 16QAM      | 1       | 25        | 21.75               | 21.58                  | 21.75                | 23                  | 1        |                     |  |
| 10              | 16QAM      | 1       | 49        | 21.59               | 21.81                  | 21.74                |                     |          |                     |  |
| 10              | 16QAM      | 25      | 0         | 20.77               | 20.80                  | 20.58                |                     |          |                     |  |
| 10              | 16QAM      | 25      | 12        | 20.71               | 20.89                  | 20.72                |                     |          |                     |  |
| 10              | 16QAM      | 25      | 25        | 20.78               | 20.65                  | 20.59                | 22                  | 2        |                     |  |
| 10              | 16QAM      | 50      | 0         | 20.81               | 20.78                  | 20.79                |                     |          |                     |  |
| 10              | 64QAM      | 1       | 0         | 20.86               | 20.70                  | 20.73                |                     |          |                     |  |
| 10              | 64QAM      | 1       | 25        | 20.79               | 20.65                  | 20.76                |                     |          |                     |  |
| 10              | 64QAM      | 1       | 49        | 20.62               | 20.69                  | 20.74                | 22                  | 2        |                     |  |
| 10              | 64QAM      | 25      | 0         | 19.82               | 19.86                  | 19.68                |                     |          |                     |  |
| 10              | 64QAM      | 25      | 12        | 19.98               | 19.97                  | 19.98                |                     |          |                     |  |
| 10              | 64QAM      | 25      | 25        | 19.94               | 19.62                  | 19.79                |                     |          |                     |  |
| 10              | 64QAM      | 50      | 0         | 19.80               | 19.96                  | 19.78                | 21                  | 3        |                     |  |
| 10              | 256QAM     | 1       | 0         | 17.58               | 17.58                  | 17.87                |                     |          |                     |  |
| 10              | 256QAM     | 1       | 25        | 17.54               | 17.84                  | 17.94                |                     |          |                     |  |
| 10              | 256QAM     | 1       | 49        | 17.71               | 17.96                  | 17.80                |                     |          |                     |  |
| 10              | 256QAM     | 25      | 0         | 17.65               | 17.57                  | 17.70                | 19                  | 5        |                     |  |
| 10              | 256QAM     | 25      | 12        | 17.66               | 17.52                  | 17.56                |                     |          |                     |  |
| 10              | 256QAM     | 25      | 25        | 17.70               | 17.65                  | 17.91                |                     |          |                     |  |
| 10              | 256QAM     | 50      | 0         | 17.80               | 17.74                  | 17.76                |                     |          |                     |  |
| Channel         |            |         |           | 26715               | 26855                  | 27015                | Tune-up limit (dBm) | MPR (dB) |                     |  |
| Frequency (MHz) |            |         |           | 816.5               | 831.5                  | 846.5                |                     |          |                     |  |
| 5               | QPSK       | 1       | 0         | 22.78               | 22.74                  | 22.77                | 24                  | 0        |                     |  |
| 5               | QPSK       | 1       | 12        | 22.80               | 22.56                  | 22.69                |                     |          |                     |  |
| 5               | QPSK       | 1       | 24        | 22.84               | 22.74                  | 22.66                |                     |          |                     |  |
| 5               | QPSK       | 12      | 0         | 21.80               | 21.75                  | 21.64                |                     |          |                     |  |
| 5               | QPSK       | 12      | 7         | 21.76               | 21.85                  | 21.82                | 23                  | 1        |                     |  |
| 5               | QPSK       | 12      | 13        | 21.67               | 21.87                  | 21.79                |                     |          |                     |  |
| 5               | QPSK       | 25      | 0         | 21.63               | 21.60                  | 21.65                |                     |          |                     |  |
| 5               | 16QAM      | 1       | 0         | 21.64               | 21.63                  | 21.68                |                     |          |                     |  |
| 5               | 16QAM      | 1       | 12        | 21.65               | 21.53                  | 21.72                | 22                  | 2        |                     |  |
| 5               | 16QAM      | 1       | 24        | 21.60               | 21.75                  | 21.82                |                     |          |                     |  |
| 5               | 16QAM      | 12      | 0         | 20.79               | 20.74                  | 20.75                |                     |          |                     |  |
| 5               | 16QAM      | 12      | 7         | 20.85               | 20.77                  | 20.66                |                     |          |                     |  |
| 5               | 16QAM      | 12      | 13        | 20.81               | 20.89                  | 20.69                | 22                  | 2        |                     |  |
| 5               | 16QAM      | 25      | 0         | 20.82               | 20.72                  | 20.71                |                     |          |                     |  |
| 5               | 64QAM      | 1       | 0         | 20.83               | 20.85                  | 20.64                |                     |          |                     |  |
| 5               | 64QAM      | 1       | 12        | 20.83               | 20.71                  | 20.85                |                     |          |                     |  |
| 5               | 64QAM      | 1       | 24        | 20.68               | 20.73                  | 20.70                | 21                  | 3        |                     |  |
| 5               | 64QAM      | 12      | 0         | 19.96               | 19.78                  | 19.86                |                     |          |                     |  |
| 5               | 64QAM      | 12      | 7         | 19.89               | 19.85                  | 19.86                |                     |          |                     |  |
| 5               | 64QAM      | 12      | 13        | 19.93               | 19.80                  | 19.87                |                     |          |                     |  |
| 5               | 64QAM      | 25      | 0         | 19.69               | 19.86                  | 19.73                | 19                  | 5        |                     |  |
| 5               | 256QAM     | 1       | 0         | 17.63               | 17.60                  | 17.83                |                     |          |                     |  |
| 5               | 256QAM     | 1       | 12        | 17.71               | 17.85                  | 17.83                |                     |          |                     |  |
| 5               | 256QAM     | 1       | 24        | 17.81               | 17.87                  | 17.71                |                     |          |                     |  |
| 5               | 256QAM     | 12      | 0         | 17.63               | 17.62                  | 17.82                | 19                  | 5        |                     |  |
| 5               | 256QAM     | 12      | 7         | 17.83               | 17.50                  | 17.57                |                     |          |                     |  |
| 5               | 256QAM     | 12      | 13        | 17.62               | 17.76                  | 17.87                |                     |          |                     |  |
| 5               | 256QAM     | 25      | 0         | 17.74               | 17.77                  | 17.76                |                     |          |                     |  |
| Channel         |            |         |           | 26705               | 26865                  | 27025                | Tune-up limit (dBm) | MPR (dB) |                     |  |
| Frequency (MHz) |            |         |           | 815.5               | 831.5                  | 847.5                |                     |          |                     |  |
| 3               | QPSK       | 1       | 0         | 22.80               | 22.77                  | 22.76                | 24                  | 0        |                     |  |
| 3               | QPSK       | 1       | 22        | 22.84               | 22.72                  | 22.67                |                     |          |                     |  |
| 3               | QPSK       | 1       | 14        | 22.76               | 22.73                  | 22.72                |                     |          |                     |  |
| 3               | QPSK       | 8       | 0         | 21.75               | 21.93                  | 21.84                |                     |          |                     |  |
| 3               | QPSK       | 8       | 7         | 21.62               | 21.79                  | 21.69                | 23                  | 1        |                     |  |
| 3               | QPSK       | 15      | 0         | 21.82               | 21.82                  | 21.83                |                     |          |                     |  |
| 3               | 16QAM      | 1       | 0         | 21.57               | 21.55                  | 21.57                |                     |          |                     |  |
| 3               | 16QAM      | 1       | 8         | 21.62               | 21.68                  | 21.75                |                     |          |                     |  |
| 3               | 16QAM      | 1       | 14        | 21.64               | 21.85                  | 21.93                | 22                  | 2        |                     |  |
| 3               | 16QAM      | 8       | 0         | 20.70               | 20.72                  | 20.79                |                     |          |                     |  |
| 3               | 16QAM      | 8       | 4         | 20.65               | 20.75                  | 20.62                |                     |          |                     |  |
| 3               | 16QAM      | 8       | 7         | 20.69               | 20.78                  | 20.65                |                     |          |                     |  |
| 3               | 16QAM      | 15      | 0         | 20.80               | 20.61                  | 20.89                | 21                  | 3        |                     |  |
| 3               | 64QAM      | 1       | 0         | 20.77               | 20.67                  | 20.60                |                     |          |                     |  |
| 3               | 64QAM      | 1       | 8         | 20.93               | 20.58                  | 20.77                |                     |          |                     |  |
| 3               | 64QAM      | 1       | 14        | 20.81               | 20.78                  | 20.73                |                     |          |                     |  |
| 3               | 64QAM      | 8       | 0         | 19.87               | 19.82                  | 19.82                | 23                  | 1        |                     |  |
| 3               | 64QAM      | 8       | 4         | 19.97               | 19.75                  | 19.89                |                     |          |                     |  |
| 3               | 64QAM      | 8       | 7         | 19.86               | 19.77                  | 19.79                |                     |          |                     |  |
| 3               | 64QAM      | 15      | 0         | 19.69               | 19.83                  | 19.84                |                     |          |                     |  |
| 3               | 256QAM     | 1       | 0         | 17.60               | 17.61                  | 17.88                | 19                  | 5        |                     |  |
| 3               | 256QAM     | 1       | 8         | 17.86               | 17.81                  | 17.78                |                     |          |                     |  |
| 3               | 256QAM     | 1       | 8         | 17.78               | 17.82                  | 17.71                |                     |          |                     |  |
| 3               | 256QAM     | 8       | 0         | 17.77               | 17.69                  | 17.81                |                     |          |                     |  |
| 3               | 256QAM     | 8       | 4         | 17.84               | 17.62                  | 17.58                | 19                  | 5        |                     |  |
| 3               | 256QAM     | 8       | 7         | 17.79               | 17.88                  | 17.85                |                     |          |                     |  |
| 3               | 256QAM     | 15      | 0         | 17.75               | 17.73                  | 17.85                |                     |          |                     |  |
| Channel         |            |         |           | 26705               | 26865                  | 27025                |                     |          | Tune-up limit (dBm) |  |
| Frequency (MHz) |            |         |           | 814.7               | 831.5                  | 848.3                |                     |          |                     |  |
| 1.4             | QPSK       | 1       | 0         | 22.57               | 22.85                  | 22.82                | 24                  | 0        |                     |  |
| 1.4             | QPSK       | 1       | 3         | 22.66               | 22.72                  | 22.52                |                     |          |                     |  |
| 1.4             | QPSK       | 1       | 5         | 22.61               | 22.90                  | 22.64                |                     |          |                     |  |
| 1.4             | QPSK       | 3       | 0         | 22.44               | 22.92                  | 22.90                |                     |          |                     |  |
| 1.4             | QPSK       | 3       | 1         | 22.81               | 22.84                  | 22.62                | 23                  | 1        |                     |  |
| 1.4             | QPSK       | 3       | 1         | 22.83               | 22.81                  | 22.81                |                     |          |                     |  |
| 1.4             | QPSK       | 6       | 0         | 21.70               | 21.71                  | 21.82                |                     |          |                     |  |
| 1.4             | 16QAM      | 1       | 0         | 21.84               | 21.72                  | 21.72                |                     |          |                     |  |
| 1.4             | 16QAM      | 1       | 3         | 21.69               | 21.70                  | 21.60                | 23                  | 1        |                     |  |
| 1.4             | 16QAM      | 1       | 5         | 21.73               | 21.82                  | 21.72                |                     |          |                     |  |
| 1.4             | 16QAM      | 3       | 0         | 21.81               | 21.82                  | 21.86                |                     |          |                     |  |
| 1.4             | 16QAM      | 3       | 1         | 21.74               | 21.50                  | 21.63                |                     |          |                     |  |
| 1.4             | 16QAM      | 3       | 3         | 21.69               | 21.59                  | 21.66                | 22                  | 2        |                     |  |
| 1.4             | 16QAM      | 6       | 0         | 20.80               | 20.60                  | 20.77                |                     |          |                     |  |
| 1.4             | 16QAM      | 1       | 0         | 20.88               | 20.83                  | 20.69                |                     |          |                     |  |
| 1.4             | 16QAM      | 1       | 3         | 20.74               | 20.60                  | 20.72                |                     |          |                     |  |
| 1.4             | 64QAM      | 1       | 0         | 20.71               | 20.70                  | 20.71                | 22                  | 2        |                     |  |
| 1.4             | 64QAM      | 3       | 0         | 20.83               | 20.77                  | 20.80                |                     |          |                     |  |
| 1.4             | 64QAM      | 3       | 1         | 20.84               | 20.77                  | 20.76                |                     |          |                     |  |
| 1.4             | 64QAM      | 6       | 0         | 19.85               | 19.90                  | 19.84                |                     |          |                     |  |
| 1.4             | 256QAM     | 1       | 0         | 17.62               | 17.72                  | 17.68                | 19                  | 5        |                     |  |
| 1.4             | 256QAM     | 3       | 0         | 17.69               | 17.81                  | 17.78                |                     |          |                     |  |
| 1.4             | 256QAM     | 1       | 5         | 17.73               | 17.88                  | 17.85                |                     |          |                     |  |
| 1.4             | 256QAM     | 3       | 1         | 17.67               | 17.60                  | 17.58                |                     |          |                     |  |
| 1.4             | 256QAM     | 3       | 3         | 17.72               | 17.72                  | 17.74                | 19                  | 5        |                     |  |
| 1.4             | 256QAM     | 3       | 1         | 17.71               | 17.71                  | 17.74                |                     |          |                     |  |

| GSM1900 Ant 1   |  | Burst Average Power (dbm) |       |        | Tune-up<br>Limit<br>(dbm) | Frame-Average Power (dbm) |       |        | Tune-up<br>Limit<br>(dbm) |
|-----------------|--|---------------------------|-------|--------|---------------------------|---------------------------|-------|--------|---------------------------|
| TX Channel      |  | 512                       | 661   | 810    |                           | 512                       | 661   | 810    |                           |
| Frequency (MHz) |  | 1850.2                    | 1860  | 1900.8 |                           | 1850.2                    | 1860  | 1900.8 |                           |
| GSM 1 Tx slot   |  | 29.15                     | 29.16 | 29.09  | 30.50                     | 20.15                     | 20.16 | 20.09  | 21.50                     |
| GPRS 1 Tx slot  |  | 29.12                     | 29.14 | 29.05  | 30.50                     | 20.12                     | 20.14 | 20.05  | 21.50                     |
| GPRS 2 Tx slots |  | 25.66                     | 25.63 | 25.61  | 26.50                     | 19.60                     | 19.63 | 19.61  | 20.50                     |
| GPRS 3 Tx slots |  | 23.92                     | 23.73 | 23.93  | 25.00                     | 19.66                     | 19.47 | 19.67  | 20.74                     |
| GPRS 4 Tx slots |  | 22.30                     | 22.37 | 22.38  | 23.50                     | 19.30                     | 19.37 | 19.38  | 20.50                     |
| EDGE 1 Tx slot  |  | 25.37                     | 25.19 | 25.38  | 26.50                     | 16.37                     | 16.19 | 16.38  | 17.50                     |
| EDGE 2 Tx slots |  | 23.65                     | 23.66 | 23.75  | 24.50                     | 17.65                     | 17.64 | 17.75  | 18.50                     |
| EDGE 3 Tx slots |  | 21.78                     | 21.76 | 21.81  | 23.00                     | 17.52                     | 17.50 | 17.55  | 18.74                     |
| EDGE 4 Tx slots |  | 19.85                     | 19.69 | 19.68  | 21.00                     | 16.85                     | 16.69 | 16.68  | 18.00                     |

  

| Band                         |  | WCDMA 1 Ant 1 |       |        | Tune-up<br>Limit<br>(dbm) | WCDMA 1 Ant 1 |        |        | Tune-up<br>Limit<br>(dbm) |
|------------------------------|--|---------------|-------|--------|---------------------------|---------------|--------|--------|---------------------------|
| TX Channel                   |  | 9262          | 9400  | 9538   |                           | 1312          | 1413   | 1513   |                           |
| Rx Channel                   |  | 9662          | 9800  | 9938   |                           | 1537          | 1638   | 1738   |                           |
| Frequency (MHz)              |  | 1522.4        | 1530  | 1537.5 |                           | 1722.4        | 1732.2 | 1737.2 |                           |
| 3GPP Rel 98 RMC 12.2Kbps     |  | 20.58         | 20.65 | 20.59  | 21.60                     | 20.80         | 20.74  | 20.66  | 21.70                     |
| 3GPP Rel 98 RMC 12.2Kbps     |  | 20.71         | 20.76 | 20.69  | 21.60                     | 20.81         | 20.87  | 20.82  | 21.70                     |
| 3GPP Rel 6 HSDPA Subtest-1   |  | 19.59         | 19.82 | 19.52  | 20.60                     | 19.58         | 19.68  | 19.75  | 20.70                     |
| 3GPP Rel 6 HSDPA Subtest-2   |  | 19.64         | 19.82 | 19.60  | 20.60                     | 19.64         | 19.60  | 19.63  | 20.70                     |
| 3GPP Rel 6 HSDPA Subtest-3   |  | 19.23         | 19.43 | 19.43  | 20.10                     | 19.22         | 19.36  | 19.47  | 20.20                     |
| 3GPP Rel 6 HSDPA Subtest-4   |  | 19.27         | 19.47 | 19.22  | 20.10                     | 19.20         | 19.28  | 19.33  | 20.20                     |
| 3GPP Rel 8 DCHSDPA Subtest-1 |  | 19.68         | 19.70 | 19.79  | 20.60                     | 19.68         | 19.69  | 19.68  | 20.70                     |
| 3GPP Rel 8 DCHSDPA Subtest-2 |  | 19.69         | 19.90 | 19.69  | 20.60                     | 19.51         | 19.68  | 19.69  | 20.70                     |
| 3GPP Rel 8 DCHSDPA Subtest-3 |  | 19.45         | 19.39 | 19.45  | 20.10                     | 19.16         | 19.47  | 19.36  | 20.20                     |
| 3GPP Rel 8 DCHSDPA Subtest-4 |  | 19.49         | 19.52 | 19.33  | 20.10                     | 19.14         | 19.28  | 19.22  | 20.20                     |
| 3GPP Rel 6 HSUPA Subtest-1   |  | 19.58         | 19.77 | 19.60  | 20.60                     | 19.52         | 19.74  | 19.75  | 20.70                     |
| 3GPP Rel 6 HSUPA Subtest-2   |  | 17.70         | 17.61 | 17.61  | 18.60                     | 17.72         | 17.85  | 17.73  | 18.70                     |
| 3GPP Rel 6 HSUPA Subtest-3   |  | 18.81         | 18.76 | 18.85  | 19.60                     | 18.71         | 18.81  | 18.86  | 19.70                     |
| 3GPP Rel 6 HSUPA Subtest-4   |  | 17.68         | 17.85 | 17.66  | 18.60                     | 17.90         | 17.93  | 17.83  | 18.70                     |
| 3GPP Rel 6 HSUPA Subtest-5   |  | 19.71         | 19.83 | 19.70  | 20.60                     | 19.75         | 19.77  | 19.77  | 20.70                     |

| Band 2 Ant 1    |            |         |           |                      |                      |                       |                    |          |  |  |  |  |  |  |
|-----------------|------------|---------|-----------|----------------------|----------------------|-----------------------|--------------------|----------|--|--|--|--|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Mid Ch / Freq. | Power High Ch / Freq. | Turn-on time (sec) | MPR (dB) |  |  |  |  |  |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |  |  |  |  |  |  |
| 20              | QPSK       | 1       | 0         | 20.20                | 20.20                | 20.18                 | 21.5               | 0        |  |  |  |  |  |  |
| 20              | QPSK       | 1       | 49        | 20.12                | 20.12                | 20.22                 |                    |          |  |  |  |  |  |  |
| 20              | QPSK       | 50      | 0         | 20.24                | 20.23                | 20.24                 |                    |          |  |  |  |  |  |  |
| 20              | QPSK       | 50      | 24        | 20.16                | 20.18                | 20.19                 |                    |          |  |  |  |  |  |  |
| 20              | QPSK       | 50      | 50        | 20.19                | 20.21                | 20.13                 | 21.5               | 0        |  |  |  |  |  |  |
| 20              | HQDM       | 1       | 0         | 20.15                | 20.16                | 20.18                 |                    |          |  |  |  |  |  |  |
| 20              | HQDM       | 1       | 49        | 20.21                | 20.17                | 20.24                 |                    |          |  |  |  |  |  |  |
| 20              | HQDM       | 1       | 99        | 20.14                | 20.19                | 20.18                 |                    |          |  |  |  |  |  |  |
| 20              | HQDM       | 50      | 24        | 20.20                | 20.21                | 20.17                 | 21.5               | 0        |  |  |  |  |  |  |
| 20              | HQDM       | 50      | 50        | 20.20                | 20.21                | 20.17                 |                    |          |  |  |  |  |  |  |
| 20              | HQDM       | 100     | 0         | 20.20                | 20.15                | 20.21                 |                    |          |  |  |  |  |  |  |
| 20              | HQDM       | 1       | 0         | 20.15                | 20.15                | 20.15                 |                    |          |  |  |  |  |  |  |
| 20              | HQDM       | 1       | 49        | 20.11                | 20.16                | 20.19                 | 21.5               | 0        |  |  |  |  |  |  |
| 20              | HQDM       | 1       | 99        | 20.20                | 20.15                | 20.20                 |                    |          |  |  |  |  |  |  |
| 20              | HQDM       | 50      | 0         | 19.79                | 19.75                | 19.83                 |                    |          |  |  |  |  |  |  |
| 20              | HQDM       | 50      | 24        | 19.79                | 19.83                | 19.78                 |                    |          |  |  |  |  |  |  |
| 20              | HQDM       | 100     | 0         | 19.88                | 19.64                | 19.70                 | 19                 | 2.5      |  |  |  |  |  |  |
| 20              | HQDM       | 1       | 49        | 17.77                | 17.77                | 17.81                 |                    |          |  |  |  |  |  |  |
| 20              | HQDM       | 1       | 99        | 17.77                | 17.67                | 17.80                 |                    |          |  |  |  |  |  |  |
| 20              | HQDM       | 50      | 24        | 17.83                | 17.77                | 17.79                 |                    |          |  |  |  |  |  |  |
| 20              | HQDM       | 50      | 50        | 17.83                | 17.77                | 17.76                 | 19                 | 2.5      |  |  |  |  |  |  |
| 20              | HQDM       | 100     | 0         | 17.74                | 17.77                | 17.79                 |                    |          |  |  |  |  |  |  |
| 20              | HQDM       | 100     | 0         | 17.67                | 17.68                | 17.74                 |                    |          |  |  |  |  |  |  |
| 20              | HQDM       | 100     | 0         | 17.78                | 17.69                | 17.69                 |                    |          |  |  |  |  |  |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 0         | 19.67                | 19.65                | 19.65                 | 21.5               | 0        |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 49        | 20.20                | 20.15                | 20.18                 |                    |          |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 99        | 20.18                | 20.17                | 20.16                 |                    |          |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 74        | 20.10                | 20.10                | 20.10                 |                    |          |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 0         | 20.10                | 20.15                | 20.13                 | 21.5               | 0        |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 24        | 20.11                | 20.12                | 20.18                 |                    |          |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 36        | 20.18                | 20.22                | 20.18                 |                    |          |  |  |  |  |  |  |
| 15              | QPSK       | 75      | 0         | 20.18                | 20.17                | 20.20                 |                    |          |  |  |  |  |  |  |
| 15              | HQDM       | 1       | 0         | 20.18                | 20.24                | 20.12                 | 21.5               | 0        |  |  |  |  |  |  |
| 15              | HQDM       | 1       | 37        | 20.16                | 20.24                | 20.23                 |                    |          |  |  |  |  |  |  |
| 15              | HQDM       | 1       | 74        | 20.13                | 20.17                | 20.17                 |                    |          |  |  |  |  |  |  |
| 15              | HQDM       | 36      | 20        | 20.22                | 20.15                | 20.10                 |                    |          |  |  |  |  |  |  |
| 15              | HQDM       | 36      | 36        | 20.22                | 20.15                | 20.10                 | 21.5               | 0        |  |  |  |  |  |  |
| 15              | HQDM       | 36      | 75        | 20.22                | 20.15                | 20.10                 |                    |          |  |  |  |  |  |  |
| 15              | HQDM       | 75      | 0         | 20.21                | 20.25                | 20.16                 |                    |          |  |  |  |  |  |  |
| 15              | HQDM       | 1       | 0         | 20.23                | 20.18                | 20.19                 |                    |          |  |  |  |  |  |  |
| 15              | HQDM       | 1       | 37        | 20.23                | 20.18                | 20.19                 | 21.5               | 0        |  |  |  |  |  |  |
| 15              | HQDM       | 1       | 74        | 20.21                | 20.21                | 20.14                 |                    |          |  |  |  |  |  |  |
| 15              | HQDM       | 36      | 0         | 19.79                | 19.71                | 19.82                 |                    |          |  |  |  |  |  |  |
| 15              | HQDM       | 36      | 20        | 19.80                | 19.82                | 19.80                 |                    |          |  |  |  |  |  |  |
| 15              | HQDM       | 36      | 36        | 19.69                | 19.75                | 19.72                 | 21                 | 0.5      |  |  |  |  |  |  |
| 15              | HQDM       | 75      | 0         | 19.73                | 19.65                | 19.62                 |                    |          |  |  |  |  |  |  |
| 15              | HQDM       | 1       | 37        | 17.72                | 17.67                | 17.71                 |                    |          |  |  |  |  |  |  |
| 15              | HQDM       | 1       | 74        | 17.70                | 17.70                | 17.77                 |                    |          |  |  |  |  |  |  |
| 15              | HQDM       | 36      | 20        | 17.68                | 17.68                | 17.68                 | 19                 | 2.5      |  |  |  |  |  |  |
| 15              | HQDM       | 36      | 36        | 17.58                | 17.73                | 17.72                 |                    |          |  |  |  |  |  |  |
| 15              | HQDM       | 36      | 75        | 17.60                | 17.67                | 17.83                 |                    |          |  |  |  |  |  |  |
| 15              | HQDM       | 75      | 0         | 17.63                | 17.69                | 17.68                 |                    |          |  |  |  |  |  |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 0         | 19.65                | 19.65                | 19.65                 | 21.5               | 0        |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 25        | 20.19                | 20.12                | 20.22                 |                    |          |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 49        | 20.17                | 20.15                | 20.15                 |                    |          |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 0         | 20.18                | 20.20                | 20.20                 |                    |          |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 12        | 20.15                | 20.22                | 20.17                 | 21.5               | 0        |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 25        | 20.21                | 20.25                | 20.21                 |                    |          |  |  |  |  |  |  |
| 10              | QPSK       | 50      | 0         | 20.18                | 20.18                | 20.18                 |                    |          |  |  |  |  |  |  |
| 10              | QPSK       | 50      | 0         | 20.18                | 20.25                | 20.15                 |                    |          |  |  |  |  |  |  |
| 10              | HQDM       | 1       | 25        | 20.20                | 20.25                | 20.14                 | 21.5               | 0        |  |  |  |  |  |  |
| 10              | HQDM       | 1       | 49        | 20.20                | 20.18                | 20.18                 |                    |          |  |  |  |  |  |  |
| 10              | HQDM       | 25      | 0         | 20.18                | 20.15                | 20.14                 |                    |          |  |  |  |  |  |  |
| 10              | HQDM       | 25      | 12        | 20.23                | 20.21                | 20.13                 |                    |          |  |  |  |  |  |  |
| 10              | HQDM       | 50      | 0         | 20.20                | 20.18                | 20.18                 | 21.5               | 0        |  |  |  |  |  |  |
| 10              | HQDM       | 50      | 0         | 20.12                | 20.19                | 20.13                 |                    |          |  |  |  |  |  |  |
| 10              | HQDM       | 1       | 0         | 20.13                | 20.22                | 20.10                 |                    |          |  |  |  |  |  |  |
| 10              | HQDM       | 1       | 49        | 20.20                | 20.21                | 20.17                 |                    |          |  |  |  |  |  |  |
| 10              | HQDM       | 25      | 0         | 19.78                | 19.73                | 19.50                 | 21                 | 0.5      |  |  |  |  |  |  |
| 10              | HQDM       | 25      | 12        | 19.78                | 19.81                | 19.80                 |                    |          |  |  |  |  |  |  |
| 10              | HQDM       | 50      | 0         | 19.63                | 19.67                | 19.62                 |                    |          |  |  |  |  |  |  |
| 10              | HQDM       | 50      | 0         | 17.71                | 17.69                | 17.68                 |                    |          |  |  |  |  |  |  |
| 10              | HQDM       | 1       | 25        | 17.72                | 17.69                | 17.52                 | 19                 | 2.5      |  |  |  |  |  |  |
| 10              | HQDM       | 1       | 49        | 17.65                | 17.75                | 17.81                 |                    |          |  |  |  |  |  |  |
| 10              | HQDM       | 25      | 0         | 17.65                | 17.65                | 17.65                 |                    |          |  |  |  |  |  |  |
| 10              | HQDM       | 25      | 12        | 17.63                | 17.68                | 17.59                 |                    |          |  |  |  |  |  |  |
| 10              | HQDM       | 25      | 25        | 17.59                | 17.61                | 17.62                 | 19                 | 2.5      |  |  |  |  |  |  |
| 10              | HQDM       | 50      | 0         | 17.67                | 17.69                | 17.58                 |                    |          |  |  |  |  |  |  |
| 10              | HQDM       | 50      | 0         | 17.67                | 17.69                | 17.58                 |                    |          |  |  |  |  |  |  |
| 10              | HQDM       | 50      | 0         | 17.67                | 17.69                | 17.58                 |                    |          |  |  |  |  |  |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 20.22                | 20.21                | 20.16                 | 21.5               | 0        |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 20.21                | 20.14                | 20.15                 |                    |          |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 24        | 20.19                | 20.24                | 20.17                 |                    |          |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 20.14                | 20.24                | 20.24                 |                    |          |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 7         | 20.23                | 20.24                | 20.20                 | 21.5               | 0        |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 20.22                | 20.16                | 20.22                 |                    |          |  |  |  |  |  |  |
| 5               | QPSK       | 25      | 0         | 20.11                | 20.14                | 20.13                 |                    |          |  |  |  |  |  |  |
| 5               | HQDM       | 1       | 0         | 20.20                | 20.19                | 20.20                 |                    |          |  |  |  |  |  |  |
| 5               | HQDM       | 1       | 12        | 20.12                | 20.19                | 20.13                 | 21.5               | 0        |  |  |  |  |  |  |
| 5               | HQDM       | 1       | 24        | 20.14                | 20.15                | 20.15                 |                    |          |  |  |  |  |  |  |
| 5               | HQDM       | 12      | 0         | 20.15                | 20.14                | 20.21                 |                    |          |  |  |  |  |  |  |
| 5               | HQDM       | 12      | 7         | 20.21                | 20.23                | 20.13                 |                    |          |  |  |  |  |  |  |
| 5               | HQDM       | 12      | 13        | 20.23                | 20.18                | 20.14                 | 21.5               | 0        |  |  |  |  |  |  |
| 5               | HQDM       | 25      | 0         | 20.10                | 20.28                | 20.14                 |                    |          |  |  |  |  |  |  |
| 5               | HQDM       | 1       | 0         | 20.19                | 20.15                | 20.19                 |                    |          |  |  |  |  |  |  |
| 5               | HQDM       | 1       | 0         | 20.10                | 20.20                | 20.20                 |                    |          |  |  |  |  |  |  |
| 5               | HQDM       | 1       | 24        | 20.18                | 20.24                | 20.13                 | 21                 | 0.5      |  |  |  |  |  |  |
| 5               | HQDM       | 12      | 0         | 19.70                | 19.80                | 19.70                 |                    |          |  |  |  |  |  |  |
| 5               | HQDM       | 12      | 13        | 19.73                | 19.68                | 19.81                 |                    |          |  |  |  |  |  |  |
| 5               | HQDM       | 25      | 0         | 19.71                | 19.61                | 19.71                 |                    |          |  |  |  |  |  |  |
| 5               | HQDM       | 15      | 0         | 17.68                | 17.70                | 17.62                 | 19                 | 2.5      |  |  |  |  |  |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |  |  |  |  |  |  |
| 3               | QPSK       | 1       | 0         | 20.20                | 20.20                | 20.24                 | 21.5               | 0        |  |  |  |  |  |  |
| 3               | QPSK       | 1       | 8         | 20.21                | 20.22                | 20.25                 |                    |          |  |  |  |  |  |  |
| 3               | QPSK       | 1       | 16        | 20.22                | 20.20                | 20.22                 |                    |          |  |  |  |  |  |  |
| 3               | QPSK       | 8       | 0         | 20.21                | 20.24                | 20.14                 |                    |          |  |  |  |  |  |  |
| 3               | QPSK       | 8       | 8         | 20.23                | 20.25                | 20.25                 | 21.5               | 0        |  |  |  |  |  |  |
| 3               | QPSK       | 15      | 0         | 20.13                | 20.20                | 20.23                 |                    |          |  |  |  |  |  |  |
| 3               | HQDM       | 1       | 0         | 20.20                | 20.23                | 20.18                 |                    |          |  |  |  |  |  |  |
| 3               | HQDM       | 1       | 8         | 20.15                | 20.25                | 20.21                 |                    |          |  |  |  |  |  |  |
| 3               | HQDM       | 1       | 16        | 20.21                | 20.24                | 20.11                 | 21.5               | 0        |  |  |  |  |  |  |
| 3               | HQDM       | 8       | 0         | 20.13                | 20.14                | 20.20                 |                    |          |  |  |  |  |  |  |
| 3               | HQDM       | 8       | 8         | 20.18                | 20.17                | 20.25                 |                    |          |  |  |  |  |  |  |
| 3               | HQDM       | 8       | 7         | 20.18                | 20.14                | 20.12                 |                    |          |  |  |  |  |  |  |
| 3               | HQDM       | 15      | 0         | 20.17                | 20.18                | 20.20                 | 21.5               | 0        |  |  |  |  |  |  |
| 3               | HQDM       | 1       | 0         | 20.19                | 20.20                | 20.19                 |                    |          |  |  |  |  |  |  |
| 3               | HQDM       | 1       | 8         | 20.16                | 20.24                | 20.23                 |                    |          |  |  |  |  |  |  |
| 3               | HQDM       | 1       | 8         | 20.12                | 20.18                | 20.24                 |                    |          |  |  |  |  |  |  |
| 3               | HQDM       | 8       | 0         | 20.11                | 20.20                | 20.16                 | 21                 | 0.5      |  |  |  |  |  |  |
| 3               | HQDM       | 8       | 4         | 19.69                | 19.69                | 19.59                 |                    |          |  |  |  |  |  |  |
| 3               | HQDM       | 8       | 4         | 19.58                | 19.65                | 19.82                 |                    |          |  |  |  |  |  |  |
| 3               | HQDM       | 8       | 16        | 19.58                | 19.61                | 19.71                 |                    |          |  |  |  |  |  |  |
| 3               | HQDM       | 1       | 0         | 17.62                | 17.65                | 17.65                 | 19                 | 2.5      |  |  |  |  |  |  |
| 3               | HQDM       | 1       | 8         | 17.61                | 17.68                | 17.68                 |                    |          |  |  |  |  |  |  |
| 3               | HQDM       | 1       | 16        | 17.68                | 17.68                | 17.78                 |                    |          |  |  |  |  |  |  |
| 3               | HQDM       | 8       | 0         | 17.64                | 17.69                | 17.69                 |                    |          |  |  |  |  |  |  |
| 3               | HQDM       | 8       | 7         | 17.58                | 17.61                | 17.63                 | 19                 | 2.5      |  |  |  |  |  |  |
| 3               | HQDM       | 8       | 7         | 17.63                | 17.62                | 17.73                 |                    |          |  |  |  |  |  |  |
| 3               | HQDM       | 15      | 0         | 17.76                | 17.46                | 17.55                 |                    |          |  |  |  |  |  |  |
| Channel         |            |         |           |                      |                      |                       |                    |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                      |                      |                       |                    |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 1       | 0         | 20.16                | 20.17                | 20.21                 | 21.5               | 0        |  |  |  |  |  |  |
| 1.4             | QPSK       | 1       | 0         | 20.22                | 20.23                | 20.23                 |                    |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 1       | 6         | 20.18                | 20.21                | 20.21                 |                    |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 3       | 0         | 20.22                | 20.20                | 20.21                 |                    |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 3       | 3         | 20.21                | 20.21                | 20.21                 | 21.5               | 0        |  |  |  |  |  |  |
| 1.4             | QPSK       | 6       | 0         | 20.19                | 20.23                | 20.14                 |                    |          |  |  |  |  |  |  |
| 1.4             | HQDM       | 1       | 0         | 20.16                | 20.20                | 20.17                 |                    |          |  |  |  |  |  |  |
| 1.4             | HQDM       | 1       | 6         | 20.21                | 20.21                | 20.11                 |                    |          |  |  |  |  |  |  |
| 1.4             | HQDM       | 3       | 0         | 20.18                | 20.17                | 20.22                 | 21.5               | 0        |  |  |  |  |  |  |
| 1.4             | HQDM       | 3       | 1         | 20.19                | 20.18                | 20.19                 |                    |          |  |  |  |  |  |  |
| 1.4             | HQDM       | 3       | 1         | 20.17                | 20.16                | 20.23                 |                    |          |  |  |  |  |  |  |
| 1.4             | HQDM       | 3       | 1         | 20.23                | 20.13                | 20.18                 |                    |          |  |  |  |  |  |  |
| 1.4             | HQDM       | 1       | 0         | 20.21                | 20.18                | 20.17                 | 21.5               | 0        |  |  |  |  |  |  |
| 1.4             | HQDM       | 1       | 3         | 20.18                | 20.22                | 20.13                 |                    |          |  |  |  |  |  |  |
| 1.4             | HQDM       | 1       | 3         | 20.16                | 20.20                | 20.19                 |                    |          |  |  |  |  |  |  |
| 1.4             | HQDM       | 1       | 3         | 20.19                | 20.19                | 20.19                 |                    |          |  |  |  |  |  |  |
| 1.4             | HQDM       | 3       | 0         | 20.22                | 20.14                | 20.24                 | 21                 | 0.5      |  |  |  |  |  |  |
| 1.4             | HQDM       | 3       | 3         | 20.20                | 20.23                | 20.18                 |                    |          |  |  |  |  |  |  |
| 1.4             | HQDM       | 3       | 3         | 20.19                | 20.19                | 20.12                 |                    |          |  |  |  |  |  |  |
| 1.4             | HQDM       | 3       | 3         | 19.68                | 19.61                | 19.62                 |                    |          |  |  |  |  |  |  |
| 1.4             | HQDM       | 3       | 3         | 17.60                | 17.45                | 17.58                 | 19                 | 2.5      |  |  |  |  |  |  |
| 1.4             | HQDM       | 1       | 6         | 17.68                | 17.77                | 17.74                 |                    |          |  |  |  |  |  |  |
| 1.4             | HQDM       | 3       | 1         | 17.64                | 17.61                | 17.61                 |                    |          |  |  |  |  |  |  |
| 1.4             | HQDM       | 3       | 1         | 17.61                | 17.74                | 17.63                 |                    |          |  |  |  |  |  |  |
| 1.4             | HQDM       | 3       | 1         | 17.52                | 17.47                | 17.89                 | 19                 | 2.5      |  |  |  |  |  |  |
| 1.4             | HQDM       | 3       | 1         | 17.63                | 17.49                | 17.69                 |                    |          |  |  |  |  |  |  |
| 1.4             | HQDM       | 3       | 1         | 17.61                | 17.61                | 17.63                 |                    |          |  |  |  |  |  |  |
| 1.4             | HQDM       | 3       | 1         | 17.62                | 17.67                | 17.89                 |                    |          |  |  |  |  |  |  |

| Band 25 Ant 1   |            |          |            |                      |                         |                       |               |          |  |  |  |  |  |  |
|-----------------|------------|----------|------------|----------------------|-------------------------|-----------------------|---------------|----------|--|--|--|--|--|--|
| BW (MHz)        | Modulation | RIS Size | RIS Offset | Power Low Ch / Freq. | Power Middle Ch / Freq. | Power High Ch / Freq. | Time-up (min) | MFR (dB) |  |  |  |  |  |  |
| Channel         |            |          |            |                      |                         |                       |               |          |  |  |  |  |  |  |
| Frequency (MHz) |            |          |            |                      |                         |                       |               |          |  |  |  |  |  |  |
| 20              | QPSK       | 1        | 0          | 20.21                | 20.20                   | 20.16                 | 21.5          | 0        |  |  |  |  |  |  |
| 20              | QPSK       | 1        | 49         | 20.13                | 20.20                   | 20.16                 |               |          |  |  |  |  |  |  |
| 20              | QPSK       | 1        | 99         | 20.13                | 20.19                   | 20.22                 |               |          |  |  |  |  |  |  |
| 20              | QPSK       | 50       | 0          | 20.21                | 20.20                   | 20.14                 |               |          |  |  |  |  |  |  |
| 20              | QPSK       | 50       | 24         | 20.24                | 20.16                   | 20.14                 | 21.5          | 0        |  |  |  |  |  |  |
| 20              | QPSK       | 50       | 50         | 20.16                | 20.17                   | 20.23                 |               |          |  |  |  |  |  |  |
| 20              | QPSK       | 100      | 0          | 20.18                | 20.20                   | 20.21                 |               |          |  |  |  |  |  |  |
| 20              | 16QAM      | 1        | 0          | 20.22                | 20.24                   | 20.15                 |               |          |  |  |  |  |  |  |
| 20              | 16QAM      | 1        | 49         | 20.16                | 20.19                   | 20.11                 | 21.5          | 0        |  |  |  |  |  |  |
| 20              | 16QAM      | 1        | 99         | 20.12                | 20.20                   | 20.20                 |               |          |  |  |  |  |  |  |
| 20              | 16QAM      | 50       | 0          | 20.16                | 20.15                   | 20.16                 |               |          |  |  |  |  |  |  |
| 20              | 16QAM      | 50       | 24         | 20.15                | 20.20                   | 20.18                 |               |          |  |  |  |  |  |  |
| 20              | 16QAM      | 50       | 50         | 20.11                | 20.20                   | 20.19                 | 21.5          | 0        |  |  |  |  |  |  |
| 20              | 16QAM      | 100      | 0          | 20.14                | 20.20                   | 20.24                 |               |          |  |  |  |  |  |  |
| 20              | 64QAM      | 1        | 0          | 20.19                | 20.20                   | 20.20                 |               |          |  |  |  |  |  |  |
| 20              | 64QAM      | 1        | 49         | 20.15                | 20.14                   | 20.17                 |               |          |  |  |  |  |  |  |
| 20              | 64QAM      | 1        | 99         | 20.20                | 20.20                   | 20.20                 | 21            | 0.5      |  |  |  |  |  |  |
| 20              | 64QAM      | 50       | 0          | 19.82                | 19.86                   | 19.76                 |               |          |  |  |  |  |  |  |
| 20              | 64QAM      | 50       | 24         | 19.74                | 19.81                   | 19.79                 |               |          |  |  |  |  |  |  |
| 20              | 64QAM      | 50       | 50         | 19.70                | 19.75                   | 19.78                 |               |          |  |  |  |  |  |  |
| 20              | 64QAM      | 100      | 0          | 19.80                | 19.72                   | 19.68                 | 19            | 2.5      |  |  |  |  |  |  |
| 20              | 256QAM     | 1        | 49         | 17.82                | 17.87                   | 17.78                 |               |          |  |  |  |  |  |  |
| 20              | 256QAM     | 1        | 99         | 17.78                | 17.80                   | 17.79                 |               |          |  |  |  |  |  |  |
| 20              | 256QAM     | 50       | 24         | 17.75                | 17.80                   | 17.80                 |               |          |  |  |  |  |  |  |
| 20              | 256QAM     | 50       | 24         | 17.79                | 17.80                   | 17.83                 | 19            | 2.5      |  |  |  |  |  |  |
| 20              | 256QAM     | 50       | 50         | 17.80                | 17.78                   | 17.78                 |               |          |  |  |  |  |  |  |
| 20              | 256QAM     | 50       | 50         | 17.85                | 17.81                   | 17.81                 |               |          |  |  |  |  |  |  |
| 20              | 256QAM     | 100      | 0          | 17.87                | 17.83                   | 17.86                 |               |          |  |  |  |  |  |  |
| Channel         |            |          |            |                      |                         |                       |               |          |  |  |  |  |  |  |
| Frequency (MHz) |            |          |            |                      |                         |                       |               |          |  |  |  |  |  |  |
| 15              | QPSK       | 1        | 0          | 19.24                | 20.19                   | 20.16                 | 21.5          | 0        |  |  |  |  |  |  |
| 15              | QPSK       | 1        | 37         | 20.24                | 20.17                   | 20.22                 |               |          |  |  |  |  |  |  |
| 15              | QPSK       | 1        | 74         | 20.15                | 20.20                   | 20.17                 |               |          |  |  |  |  |  |  |
| 15              | QPSK       | 36       | 0          | 20.24                | 20.19                   | 20.12                 |               |          |  |  |  |  |  |  |
| 15              | QPSK       | 36       | 39         | 20.12                | 20.16                   | 20.20                 | 21.5          | 0        |  |  |  |  |  |  |
| 15              | QPSK       | 36       | 39         | 20.19                | 20.21                   | 20.17                 |               |          |  |  |  |  |  |  |
| 15              | QPSK       | 75       | 0          | 20.17                | 20.21                   | 20.16                 |               |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1        | 0          | 20.16                | 20.20                   | 20.17                 |               |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1        | 37         | 20.18                | 20.15                   | 20.19                 | 21.5          | 0        |  |  |  |  |  |  |
| 15              | 16QAM      | 1        | 74         | 20.12                | 20.12                   | 20.12                 |               |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36       | 0          | 20.23                | 20.17                   | 20.15                 |               |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36       | 39         | 20.15                | 20.22                   | 20.15                 |               |          |  |  |  |  |  |  |
| 15              | 16QAM      | 50       | 0          | 20.15                | 20.22                   | 20.15                 | 21.5          | 0        |  |  |  |  |  |  |
| 15              | 16QAM      | 50       | 24         | 20.15                | 20.20                   | 20.18                 |               |          |  |  |  |  |  |  |
| 15              | 16QAM      | 75       | 0          | 20.15                | 20.14                   | 20.23                 |               |          |  |  |  |  |  |  |
| 15              | 64QAM      | 1        | 0          | 20.21                | 20.21                   | 20.22                 |               |          |  |  |  |  |  |  |
| 15              | 64QAM      | 1        | 37         | 20.15                | 20.21                   | 20.22                 | 21.5          | 0        |  |  |  |  |  |  |
| 15              | 64QAM      | 1        | 74         | 20.23                | 20.15                   | 20.12                 |               |          |  |  |  |  |  |  |
| 15              | 64QAM      | 36       | 0          | 19.89                | 19.82                   | 19.81                 |               |          |  |  |  |  |  |  |
| 15              | 64QAM      | 36       | 39         | 19.81                | 19.83                   | 19.78                 |               |          |  |  |  |  |  |  |
| 15              | 64QAM      | 36       | 39         | 19.89                | 19.82                   | 19.80                 | 21            | 0.5      |  |  |  |  |  |  |
| 15              | 64QAM      | 50       | 0          | 19.89                | 19.84                   | 19.81                 |               |          |  |  |  |  |  |  |
| 15              | 64QAM      | 50       | 24         | 19.79                | 19.83                   | 19.80                 |               |          |  |  |  |  |  |  |
| 15              | 64QAM      | 50       | 39         | 19.89                | 19.84                   | 19.81                 |               |          |  |  |  |  |  |  |
| 15              | 256QAM     | 1        | 37         | 17.85                | 17.73                   | 17.87                 | 19            | 2.5      |  |  |  |  |  |  |
| 15              | 256QAM     | 1        | 74         | 17.86                | 17.81                   | 17.71                 |               |          |  |  |  |  |  |  |
| 15              | 256QAM     | 36       | 0          | 17.72                | 17.81                   | 17.85                 |               |          |  |  |  |  |  |  |
| 15              | 256QAM     | 36       | 39         | 17.79                | 17.87                   | 17.87                 |               |          |  |  |  |  |  |  |
| 15              | 256QAM     | 36       | 39         | 17.88                | 17.89                   | 17.80                 | 19            | 2.5      |  |  |  |  |  |  |
| 15              | 256QAM     | 75       | 0          | 17.86                | 17.78                   | 17.78                 |               |          |  |  |  |  |  |  |
| Channel         |            |          |            |                      |                         |                       |               |          |  |  |  |  |  |  |
| Frequency (MHz) |            |          |            |                      |                         |                       |               |          |  |  |  |  |  |  |
| 10              | QPSK       | 1        | 0          | 18.02                | 18.00                   | 18.00                 | 21.5          | 0        |  |  |  |  |  |  |
| 10              | QPSK       | 1        | 25         | 20.14                | 20.20                   | 20.13                 |               |          |  |  |  |  |  |  |
| 10              | QPSK       | 1        | 49         | 20.13                | 20.19                   | 20.22                 |               |          |  |  |  |  |  |  |
| 10              | QPSK       | 25       | 0          | 20.12                | 20.23                   | 20.23                 |               |          |  |  |  |  |  |  |
| 10              | QPSK       | 25       | 12         | 20.22                | 20.19                   | 20.20                 | 21.5          | 0        |  |  |  |  |  |  |
| 10              | QPSK       | 25       | 25         | 20.17                | 20.24                   | 20.20                 |               |          |  |  |  |  |  |  |
| 10              | QPSK       | 50       | 0          | 20.17                | 20.20                   | 20.16                 |               |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1        | 0          | 20.10                | 20.17                   | 20.14                 |               |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1        | 25         | 20.19                | 20.16                   | 20.22                 | 21.5          | 0        |  |  |  |  |  |  |
| 10              | 16QAM      | 1        | 49         | 20.21                | 20.16                   | 20.18                 |               |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25       | 0          | 20.13                | 20.20                   | 20.19                 |               |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25       | 12         | 20.16                | 20.16                   | 20.19                 |               |          |  |  |  |  |  |  |
| 10              | 16QAM      | 50       | 0          | 20.12                | 20.19                   | 20.11                 | 21.5          | 0        |  |  |  |  |  |  |
| 10              | 16QAM      | 50       | 24         | 20.12                | 20.14                   | 20.15                 |               |          |  |  |  |  |  |  |
| 10              | 64QAM      | 1        | 0          | 20.16                | 20.20                   | 20.17                 |               |          |  |  |  |  |  |  |
| 10              | 64QAM      | 1        | 49         | 20.16                | 20.20                   | 20.11                 |               |          |  |  |  |  |  |  |
| 10              | 64QAM      | 25       | 0          | 19.70                | 19.68                   | 19.58                 | 21            | 0.5      |  |  |  |  |  |  |
| 10              | 64QAM      | 25       | 12         | 19.66                | 19.68                   | 19.70                 |               |          |  |  |  |  |  |  |
| 10              | 64QAM      | 25       | 25         | 19.68                | 19.68                   | 19.63                 |               |          |  |  |  |  |  |  |
| 10              | 64QAM      | 50       | 0          | 19.68                | 19.69                   | 19.50                 |               |          |  |  |  |  |  |  |
| 10              | 256QAM     | 1        | 49         | 17.65                | 17.70                   | 17.70                 | 19            | 2.5      |  |  |  |  |  |  |
| 10              | 256QAM     | 1        | 25         | 17.86                | 17.71                   | 17.70                 |               |          |  |  |  |  |  |  |
| 10              | 256QAM     | 25       | 0          | 17.70                | 17.70                   | 17.66                 |               |          |  |  |  |  |  |  |
| 10              | 256QAM     | 25       | 12         | 17.82                | 17.84                   | 17.83                 |               |          |  |  |  |  |  |  |
| 10              | 256QAM     | 25       | 12         | 17.82                | 17.83                   | 17.71                 | 19            | 2.5      |  |  |  |  |  |  |
| 10              | 256QAM     | 25       | 25         | 17.82                | 17.83                   | 17.71                 |               |          |  |  |  |  |  |  |
| 10              | 256QAM     | 50       | 0          | 17.83                | 17.82                   | 17.85                 |               |          |  |  |  |  |  |  |
| Channel         |            |          |            |                      |                         |                       |               |          |  |  |  |  |  |  |
| Frequency (MHz) |            |          |            |                      |                         |                       |               |          |  |  |  |  |  |  |
| 5               | QPSK       | 1        | 0          | 20.20                | 20.24                   | 20.16                 | 21.5          | 0        |  |  |  |  |  |  |
| 5               | QPSK       | 1        | 12         | 20.23                | 20.14                   | 20.17                 |               |          |  |  |  |  |  |  |
| 5               | QPSK       | 1        | 24         | 20.16                | 20.20                   | 20.17                 |               |          |  |  |  |  |  |  |
| 5               | QPSK       | 12       | 0          | 20.14                | 20.16                   | 20.16                 |               |          |  |  |  |  |  |  |
| 5               | QPSK       | 12       | 7          | 20.24                | 20.12                   | 20.15                 | 21.5          | 0        |  |  |  |  |  |  |
| 5               | QPSK       | 12       | 13         | 20.11                | 20.12                   | 20.21                 |               |          |  |  |  |  |  |  |
| 5               | QPSK       | 25       | 0          | 20.14                | 20.13                   | 20.16                 |               |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1        | 0          | 20.12                | 20.24                   | 20.22                 |               |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1        | 12         | 20.22                | 20.16                   | 20.23                 | 21.5          | 0        |  |  |  |  |  |  |
| 5               | 16QAM      | 1        | 24         | 20.16                | 20.20                   | 20.15                 |               |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12       | 0          | 20.13                | 20.20                   | 20.21                 |               |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12       | 7          | 20.12                | 20.20                   | 20.13                 |               |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12       | 14         | 20.21                | 20.17                   | 20.13                 | 21.5          | 0        |  |  |  |  |  |  |
| 5               | 16QAM      | 25       | 0          | 20.16                | 20.20                   | 20.12                 |               |          |  |  |  |  |  |  |
| 5               | 64QAM      | 1        | 0          | 20.22                | 20.22                   | 20.23                 |               |          |  |  |  |  |  |  |
| 5               | 64QAM      | 1        | 12         | 20.23                | 20.19                   | 20.19                 |               |          |  |  |  |  |  |  |
| 5               | 64QAM      | 1        | 24         | 20.15                | 20.20                   | 20.14                 | 21            | 0.5      |  |  |  |  |  |  |
| 5               | 64QAM      | 12       | 0          | 19.63                | 19.62                   | 19.67                 |               |          |  |  |  |  |  |  |
| 5               | 64QAM      | 12       | 7          | 19.57                | 19.60                   | 19.71                 |               |          |  |  |  |  |  |  |
| 5               | 64QAM      | 12       | 13         | 19.76                | 19.70                   | 19.79                 |               |          |  |  |  |  |  |  |
| 5               | 64QAM      | 25       | 0          | 19.69                | 19.69                   | 19.63                 | 19            | 2.5      |  |  |  |  |  |  |
| 5               | 256QAM     | 1        | 1          | 17.83                | 17.73                   | 17.84                 |               |          |  |  |  |  |  |  |
| Channel         |            |          |            |                      |                         |                       |               |          |  |  |  |  |  |  |
| Frequency (MHz) |            |          |            |                      |                         |                       |               |          |  |  |  |  |  |  |
| 3               | QPSK       | 1        | 0          | 20.20                | 20.20                   | 20.16                 | 21.5          | 0        |  |  |  |  |  |  |
| 3               | QPSK       | 1        | 8          | 20.22                | 20.22                   | 20.18                 |               |          |  |  |  |  |  |  |
| 3               | QPSK       | 1        | 24         | 20.16                | 20.20                   | 20.17                 |               |          |  |  |  |  |  |  |
| 3               | QPSK       | 8        | 0          | 20.14                | 20.18                   | 20.18                 |               |          |  |  |  |  |  |  |
| 3               | QPSK       | 8        | 4          | 20.18                | 20.19                   | 20.24                 | 21.5          | 0        |  |  |  |  |  |  |
| 3               | QPSK       | 8        | 12         | 20.14                | 20.24                   | 20.13                 |               |          |  |  |  |  |  |  |
| 3               | QPSK       | 16       | 0          | 20.18                | 20.17                   | 20.23                 |               |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1        | 0          | 20.16                | 20.20                   | 20.13                 |               |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1        | 8          | 20.14                | 20.24                   | 20.15                 | 21.5          | 0        |  |  |  |  |  |  |
| 3               | 16QAM      | 1        | 16         | 20.16                | 20.16                   | 20.12                 |               |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8        | 0          | 20.18                | 20.20                   | 20.18                 |               |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8        | 4          | 20.17                | 20.19                   | 20.11                 |               |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8        | 7          | 20.20                | 20.15                   | 20.20                 | 21.5          | 0        |  |  |  |  |  |  |
| 3               | 16QAM      | 16       | 0          | 20.21                | 20.17                   | 20.23                 |               |          |  |  |  |  |  |  |
| 3               | 16QAM      | 16       | 8          | 20.13                | 20.20                   | 20.19                 |               |          |  |  |  |  |  |  |
| 3               | 16QAM      | 16       | 16         | 20.15                | 20.20                   | 20.17                 |               |          |  |  |  |  |  |  |
| 3               | 16QAM      | 16       | 24         | 20.17                | 20.19                   | 20.11                 | 21            | 0.5      |  |  |  |  |  |  |
| 3               | 16QAM      | 32       | 0          | 19.85                | 19.89                   | 19.76                 |               |          |  |  |  |  |  |  |
| 3               | 16QAM      | 32       | 8          | 19.79                | 19.92                   | 19.89                 |               |          |  |  |  |  |  |  |
| 3               | 16QAM      | 32       | 16         | 19.75                | 19.92                   | 19.89                 |               |          |  |  |  |  |  |  |
| 3               | 256QAM     | 1        | 8          | 17.70                | 17.71                   | 17.67                 | 19            | 2.5      |  |  |  |  |  |  |
| 3               | 256QAM     | 1        | 16         | 17.72                | 17.76                   | 17.68                 |               |          |  |  |  |  |  |  |
| 3               | 256QAM     | 16       | 0          | 17.73                | 17.83                   | 17.73                 |               |          |  |  |  |  |  |  |
| 3               | 256QAM     | 16       | 8          | 17.75                | 17.83                   | 17.73                 |               |          |  |  |  |  |  |  |
| 3               | 256QAM     | 16       | 16         | 17.76                | 17.89                   | 17.86                 | 19            | 2.5      |  |  |  |  |  |  |
| 3               | 256QAM     | 16       | 24         | 17.77                | 17.87                   | 17.80                 |               |          |  |  |  |  |  |  |
| 3               | 256QAM     | 32       | 0          | 17.77                | 17.77                   | 17.78                 |               |          |  |  |  |  |  |  |
| 3               | 256QAM     | 32       | 8          | 17.78                | 17.84                   | 17.78                 |               |          |  |  |  |  |  |  |
| 3               | 256QAM     | 32       | 16         | 17.77                | 17.84                   | 17.70                 | 19            | 2.5      |  |  |  |  |  |  |
| 3               | 256QAM     | 32       | 24         | 17.78                | 17.83                   | 17.70                 |               |          |  |  |  |  |  |  |
| 3               | 256QAM     | 64       | 0          | 17.72                | 17.70                   | 17.80                 |               |          |  |  |  |  |  |  |
| Channel         |            |          |            |                      |                         |                       |               |          |  |  |  |  |  |  |
| Frequency (MHz) |            |          |            |                      |                         |                       |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 1        | 0          | 20.20                | 20.12                   | 20.24                 | 21.5          | 0        |  |  |  |  |  |  |
| 1.4             | QPSK       | 1        | 8          | 20.22                | 20.22                   | 20.18                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 1        | 24         | 20.16                | 20.20                   | 20.17                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 3        | 0          | 20.22                | 20.17                   | 20.14                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 3        | 8          | 20.20                | 20.20                   | 20.16                 | 21.5          | 0        |  |  |  |  |  |  |
| 1.4             | QPSK       | 3        | 16         | 20.18                | 20.20                   | 20.13                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 3        | 24         | 20.15                | 20.15                   | 20.15                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 6        | 0          | 20.19                | 20.24                   | 20.18                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 6        | 8          | 20.16                | 20.24                   | 20.18                 | 21.5          | 0        |  |  |  |  |  |  |
| 1.4             | QPSK       | 6        | 16         | 20.18                | 20.24                   | 20.18                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 12       | 0          | 20.20                | 20.20                   | 20.13                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 12       | 8          | 20.20                | 20.20                   | 20.13                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 12       | 16         | 20.15                | 20.20                   | 20.13                 | 21.5          | 0        |  |  |  |  |  |  |
| 1.4             | QPSK       | 24       | 0          | 20.12                | 20.13                   | 20.20                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 24       | 8          | 20.12                | 20.13                   | 20.20                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 24       | 16         | 20.12                | 20.13                   | 20.20                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 48       | 0          | 20.12                | 20.13                   | 20.20                 | 21.5          | 0        |  |  |  |  |  |  |
| 1.4             | QPSK       | 48       | 8          | 20.12                | 20.13                   | 20.20                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 48       | 16         | 20.12                | 20.13                   | 20.20                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 96       | 0          | 20.12                | 20.13                   | 20.20                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 96       | 8          | 20.12                | 20.13                   | 20.20                 | 21.5          | 0        |  |  |  |  |  |  |
| 1.4             | QPSK       | 96       | 16         | 20.12                | 20.13                   | 20.20                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 192      | 0          | 20.12                | 20.13                   | 20.20                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 192      | 8          | 20.12                | 20.13                   | 20.20                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 192      | 16         | 20.12                | 20.13                   | 20.20                 | 21.5          | 0        |  |  |  |  |  |  |
| 1.4             | QPSK       | 384      | 0          | 20.12                | 20.13                   | 20.20                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 384      | 8          | 20.12                | 20.13                   | 20.20                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 384      | 16         | 20.12                | 20.13                   | 20.20                 |               |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 384      | 24         | 20.12                | 20.13                   | 20.20                 | 21.5          | 0        |  |  |  |  |  |  |
| 1.4             | QPSK       | 384      | 32         | 20.12                | 20.13                   | 20.2                  |               |          |  |  |  |  |  |  |

| Band 38 Ant 1   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 37850                 | 38000                    | 38150                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2595                  | 2595                     | 2610                   |                     |          |  |
| 20              | QPSK       | 1       | 0         | 22.96                 | 23.16                    | 23.13                  | 24                  | 0        |  |
| 20              | QPSK       | 1       | 49        | 22.96                 | 22.94                    | 22.89                  |                     |          |  |
| 20              | QPSK       | 1       | 99        | 22.85                 | 22.86                    | 22.86                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.96                 | 22.15                    | 21.98                  |                     |          |  |
| 20              | QPSK       | 50      | 24        | 21.95                 | 21.97                    | 21.88                  | 23                  | 1        |  |
| 20              | QPSK       | 50      | 50        | 21.90                 | 21.77                    | 21.67                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 21.97                 | 22.10                    | 22.00                  |                     |          |  |
| 20              | 16QAM      | 1       | 0         | 21.95                 | 21.80                    | 22.07                  |                     |          |  |
| 20              | 16QAM      | 1       | 49        | 21.81                 | 21.99                    | 22.04                  | 23                  | 1        |  |
| 20              | 16QAM      | 1       | 99        | 22.02                 | 22.00                    | 21.79                  |                     |          |  |
| 20              | 16QAM      | 50      | 0         | 20.80                 | 20.98                    | 20.91                  |                     |          |  |
| 20              | 16QAM      | 50      | 24        | 20.82                 | 20.87                    | 20.82                  | 22                  | 2        |  |
| 20              | 16QAM      | 50      | 50        | 20.90                 | 20.69                    | 20.81                  |                     |          |  |
| 20              | 16QAM      | 100     | 0         | 20.64                 | 20.90                    | 20.61                  |                     |          |  |
| 20              | 64QAM      | 1       | 0         | 20.66                 | 20.77                    | 20.71                  |                     |          |  |
| 20              | 64QAM      | 1       | 49        | 20.61                 | 20.78                    | 20.78                  | 22                  | 2        |  |
| 20              | 64QAM      | 1       | 99        | 20.72                 | 20.74                    | 20.63                  |                     |          |  |
| 20              | 64QAM      | 50      | 0         | 19.82                 | 19.85                    | 19.91                  |                     |          |  |
| 20              | 64QAM      | 50      | 24        | 19.95                 | 19.81                    | 19.76                  | 21                  | 3        |  |
| 20              | 64QAM      | 50      | 50        | 19.82                 | 19.68                    | 19.95                  |                     |          |  |
| 20              | 64QAM      | 100     | 0         | 19.75                 | 19.81                    | 19.77                  |                     |          |  |
| 20              | 256QAM     | 1       | 0         | 17.89                 | 17.87                    | 17.62                  |                     |          |  |
| 20              | 256QAM     | 1       | 49        | 17.90                 | 17.91                    | 17.83                  | 19                  | 5        |  |
| 20              | 256QAM     | 1       | 99        | 17.71                 | 17.76                    | 17.79                  |                     |          |  |
| 20              | 256QAM     | 50      | 0         | 17.83                 | 17.96                    | 17.74                  |                     |          |  |
| 20              | 256QAM     | 50      | 24        | 17.99                 | 17.96                    | 17.90                  | 19                  | 5        |  |
| 20              | 256QAM     | 50      | 50        | 17.76                 | 17.83                    | 17.69                  |                     |          |  |
| 20              | 256QAM     | 100     | 0         | 17.83                 | 17.90                    | 18.17                  |                     |          |  |
| Channel         |            |         |           | 37925                 | 38000                    | 38175                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2597.5                | 2595                     | 2612.5                 |                     |          |  |
| 15              | QPSK       | 1       | 0         | 22.70                 | 22.60                    | 22.52                  | 24                  | 0        |  |
| 15              | QPSK       | 1       | 37        | 22.43                 | 22.60                    | 22.21                  |                     |          |  |
| 15              | QPSK       | 1       | 74        | 22.48                 | 22.27                    | 22.55                  |                     |          |  |
| 15              | QPSK       | 36      | 0         | 21.37                 | 21.53                    | 21.43                  | 23                  | 1        |  |
| 15              | QPSK       | 36      | 20        | 21.45                 | 21.44                    | 21.46                  |                     |          |  |
| 15              | QPSK       | 36      | 39        | 21.25                 | 21.40                    | 21.54                  |                     |          |  |
| 15              | QPSK       | 75      | 0         | 21.36                 | 21.46                    | 21.38                  |                     |          |  |
| 15              | 16QAM      | 1       | 0         | 21.46                 | 21.30                    | 21.47                  |                     |          |  |
| 15              | 16QAM      | 1       | 37        | 21.19                 | 21.54                    | 21.30                  | 23                  | 1        |  |
| 15              | 16QAM      | 1       | 74        | 21.47                 | 21.32                    | 21.29                  |                     |          |  |
| 15              | 16QAM      | 36      | 0         | 20.29                 | 20.33                    | 20.31                  |                     |          |  |
| 15              | 16QAM      | 36      | 20        | 20.34                 | 20.61                    | 20.32                  | 22                  | 2        |  |
| 15              | 16QAM      | 36      | 39        | 20.33                 | 20.20                    | 20.37                  |                     |          |  |
| 15              | 16QAM      | 75      | 0         | 20.25                 | 20.30                    | 20.15                  |                     |          |  |
| 15              | 64QAM      | 1       | 0         | 20.10                 | 20.28                    | 20.35                  |                     |          |  |
| 15              | 64QAM      | 1       | 37        | 20.46                 | 20.28                    | 20.37                  | 22                  | 2        |  |
| 15              | 64QAM      | 1       | 74        | 20.40                 | 20.36                    | 20.44                  |                     |          |  |
| 15              | 64QAM      | 36      | 0         | 19.41                 | 19.44                    | 19.34                  |                     |          |  |
| 15              | 64QAM      | 36      | 20        | 19.23                 | 19.30                    | 19.30                  | 21                  | 3        |  |
| 15              | 64QAM      | 36      | 39        | 19.32                 | 19.26                    | 19.42                  |                     |          |  |
| 15              | 64QAM      | 75      | 0         | 19.24                 | 19.34                    | 19.35                  |                     |          |  |
| 15              | 256QAM     | 1       | 0         | 17.46                 | 17.24                    | 17.27                  |                     |          |  |
| 15              | 256QAM     | 1       | 37        | 17.25                 | 17.38                    | 17.48                  | 19                  | 5        |  |
| 15              | 256QAM     | 1       | 74        | 17.19                 | 17.41                    | 17.24                  |                     |          |  |
| 15              | 256QAM     | 36      | 0         | 17.23                 | 17.37                    | 17.23                  |                     |          |  |
| 15              | 256QAM     | 36      | 20        | 17.46                 | 17.42                    | 17.45                  | 19                  | 5        |  |
| 15              | 256QAM     | 36      | 39        | 17.29                 | 17.41                    | 17.33                  |                     |          |  |
| 15              | 256QAM     | 75      | 0         | 17.31                 | 17.38                    | 17.44                  |                     |          |  |
| Channel         |            |         |           | 37860                 | 38000                    | 38200                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |
| 10              | QPSK       | 1       | 0         | 22.50                 | 22.56                    | 22.52                  | 24                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 22.44                 | 22.48                    | 22.39                  |                     |          |  |
| 10              | QPSK       | 1       | 49        | 22.35                 | 22.44                    | 22.36                  |                     |          |  |
| 10              | QPSK       | 25      | 0         | 21.38                 | 21.45                    | 21.58                  |                     |          |  |
| 10              | QPSK       | 25      | 12        | 21.47                 | 21.43                    | 21.31                  | 23                  | 1        |  |
| 10              | QPSK       | 25      | 25        | 21.29                 | 21.34                    | 21.64                  |                     |          |  |
| 10              | QPSK       | 50      | 0         | 21.58                 | 21.47                    | 21.37                  |                     |          |  |
| 10              | 16QAM      | 1       | 0         | 21.45                 | 21.46                    | 21.56                  |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 21.17                 | 21.60                    | 21.43                  | 23                  | 1        |  |
| 10              | 16QAM      | 1       | 49        | 21.41                 | 21.50                    | 21.35                  |                     |          |  |
| 10              | 16QAM      | 25      | 0         | 20.31                 | 20.37                    | 20.32                  |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 20.32                 | 20.23                    | 20.39                  | 22                  | 2        |  |
| 10              | 16QAM      | 25      | 25        | 20.38                 | 20.34                    | 20.36                  |                     |          |  |
| 10              | 16QAM      | 50      | 0         | 20.22                 | 20.30                    | 20.13                  |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 20.27                 | 20.37                    | 20.16                  |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 20.13                 | 20.23                    | 20.21                  | 22                  | 2        |  |
| 10              | 64QAM      | 1       | 49        | 20.24                 | 20.27                    | 20.36                  |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 19.21                 | 19.50                    | 19.20                  |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 19.44                 | 19.29                    | 19.39                  | 21                  | 3        |  |
| 10              | 64QAM      | 25      | 25        | 19.28                 | 19.29                    | 19.33                  |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 19.23                 | 19.25                    | 20.23                  |                     |          |  |
| 10              | 256QAM     | 1       | 0         | 17.35                 | 17.38                    | 17.16                  |                     |          |  |
| 10              | 256QAM     | 1       | 25        | 17.27                 | 17.37                    | 17.48                  | 19                  | 5        |  |
| 10              | 256QAM     | 1       | 49        | 17.37                 | 17.40                    | 17.42                  |                     |          |  |
| 10              | 256QAM     | 25      | 0         | 17.31                 | 17.54                    | 17.34                  |                     |          |  |
| 10              | 256QAM     | 25      | 12        | 17.38                 | 17.54                    | 17.45                  | 19                  | 5        |  |
| 10              | 256QAM     | 25      | 25        | 17.42                 | 17.39                    | 17.13                  |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 17.34                 | 17.21                    | 17.55                  |                     |          |  |
| Channel         |            |         |           | 37775                 | 38000                    | 38225                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2622.5                | 2595                     | 2617.5                 |                     |          |  |
| 5               | QPSK       | 1       | 0         | 22.68                 | 22.70                    | 22.52                  | 24                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 22.43                 | 22.67                    | 22.44                  |                     |          |  |
| 5               | QPSK       | 1       | 24        | 22.29                 | 22.41                    | 22.42                  |                     |          |  |
| 5               | QPSK       | 12      | 0         | 21.32                 | 21.60                    | 21.45                  |                     |          |  |
| 5               | QPSK       | 12      | 7         | 21.33                 | 21.43                    | 21.48                  | 23                  | 1        |  |
| 5               | QPSK       | 12      | 13        | 21.22                 | 21.48                    | 21.45                  |                     |          |  |
| 5               | QPSK       | 25      | 0         | 21.39                 | 21.30                    | 21.37                  |                     |          |  |
| 5               | 16QAM      | 1       | 0         | 21.37                 | 21.32                    | 21.43                  |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 21.18                 | 21.42                    | 21.52                  | 23                  | 1        |  |
| 5               | 16QAM      | 1       | 24        | 21.45                 | 21.42                    | 21.44                  |                     |          |  |
| 5               | 16QAM      | 12      | 0         | 20.20                 | 20.36                    | 20.41                  |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 20.46                 | 20.66                    | 20.27                  | 22                  | 2        |  |
| 5               | 16QAM      | 25      | 0         | 20.31                 | 20.34                    | 20.27                  |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 20.24                 | 20.26                    | 20.38                  |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 20.23                 | 20.14                    | 20.28                  | 22                  | 2        |  |
| 5               | 64QAM      | 1       | 24        | 20.20                 | 20.36                    | 20.41                  |                     |          |  |
| 5               | 64QAM      | 12      | 0         | 19.31                 | 19.30                    | 19.33                  |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 19.45                 | 19.43                    | 19.39                  | 21                  | 3        |  |
| 5               | 64QAM      | 12      | 13        | 19.13                 | 19.30                    | 19.41                  |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 19.32                 | 19.41                    | 19.20                  |                     |          |  |
| 5               | 256QAM     | 1       | 0         | 17.29                 | 17.42                    | 17.45                  | 19                  | 5        |  |
| 5               | 256QAM     | 1       | 12        | 17.23                 | 17.42                    | 17.45                  |                     |          |  |
| 5               | 256QAM     | 1       | 24        | 17.24                 | 17.35                    | 17.31                  |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 17.43                 | 17.41                    | 17.23                  |                     |          |  |
| 5               | 256QAM     | 12      | 7         | 17.41                 | 17.51                    | 17.29                  | 19                  | 5        |  |
| 5               | 256QAM     | 12      | 13        | 17.35                 | 17.35                    | 17.14                  |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 17.31                 | 17.24                    | 17.24                  |                     |          |  |

| Band 41 Ant 1   |            |         |           |                       |                              |                        |                               |                        |                     |          |  |  |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|------------------------|-------------------------------|------------------------|---------------------|----------|--|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power High Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |  |
| Channel         |            |         |           | 39750                 | 40186                        | 40620                  | 41055                         | 41490                  |                     |          |  |  |
| Frequency (MHz) |            |         |           | 2503                  | 25415                        | 25849                  | 26283                         | 26716                  |                     |          |  |  |
| 20              | QPSK       | 1       | 0         | 23.11                 | 23.12                        | 23.17                  | 23.07                         | 23.16                  | 24                  | 0        |  |  |
| 20              | QPSK       | 1       | 49        | 22.70                 | 23.00                        | 22.86                  | 22.93                         | 22.90                  |                     |          |  |  |
| 20              | QPSK       | 1       | 99        | 22.92                 | 22.73                        | 22.93                  | 22.76                         | 22.86                  |                     |          |  |  |
| 20              | QPSK       | 50      | 0         | 21.80                 | 21.94                        | 22.08                  | 21.82                         | 21.92                  |                     |          |  |  |
| 20              | QPSK       | 50      | 24        | 21.96                 | 21.87                        | 21.82                  | 22.01                         | 21.80                  | 23                  | 1        |  |  |
| 20              | QPSK       | 50      | 50        | 21.58                 | 21.74                        | 21.86                  | 21.67                         | 21.65                  |                     |          |  |  |
| 20              | QPSK       | 100     | 0         | 21.81                 | 21.80                        | 21.97                  | 21.72                         | 21.87                  |                     |          |  |  |
| 20              | 16QAM      | 1       | 0         | 21.68                 | 21.79                        | 21.78                  | 21.65                         | 21.66                  |                     |          |  |  |
| 20              | 16QAM      | 1       | 49        | 21.65                 | 21.91                        | 21.66                  | 21.94                         | 21.81                  | 23                  | 1        |  |  |
| 20              | 16QAM      | 1       | 99        | 22.03                 | 21.77                        | 21.77                  | 21.78                         | 21.90                  |                     |          |  |  |
| 20              | 16QAM      | 50      | 0         | 20.89                 | 20.60                        | 20.90                  | 20.66                         | 20.75                  |                     |          |  |  |
| 20              | 16QAM      | 50      | 24        | 20.83                 | 20.70                        | 20.65                  | 20.55                         | 20.62                  |                     |          |  |  |
| 20              | 16QAM      | 50      | 50        | 20.84                 | 20.74                        | 20.80                  | 20.60                         | 20.81                  | 22                  | 2        |  |  |
| 20              | 16QAM      | 100     | 0         | 20.59                 | 20.69                        | 20.71                  | 20.78                         | 20.75                  |                     |          |  |  |
| 20              | 64QAM      | 1       | 0         | 20.53                 | 20.68                        | 20.80                  | 20.47                         | 20.61                  |                     |          |  |  |
| 20              | 64QAM      | 1       | 49        | 20.56                 | 20.58                        | 20.68                  | 20.69                         | 20.74                  |                     |          |  |  |
| 20              | 64QAM      | 1       | 99        | 20.72                 | 20.59                        | 20.66                  | 20.67                         | 20.88                  | 22                  | 2        |  |  |
| 20              | 64QAM      | 50      | 0         | 19.68                 | 19.92                        | 19.89                  | 19.82                         | 19.73                  |                     |          |  |  |
| 20              | 64QAM      | 50      | 24        | 19.81                 | 19.80                        | 19.91                  | 19.75                         | 19.71                  |                     |          |  |  |
| 20              | 64QAM      | 50      | 50        | 19.84                 | 19.50                        | 19.74                  | 19.56                         | 19.87                  |                     |          |  |  |
| 20              | 64QAM      | 100     | 0         | 19.82                 | 19.58                        | 19.58                  | 19.71                         | 19.60                  | 21                  | 3        |  |  |
| 20              | 256QAM     | 1       | 0         | 17.65                 | 17.61                        | 17.72                  | 17.69                         | 17.61                  |                     |          |  |  |
| 20              | 256QAM     | 1       | 49        | 17.68                 | 17.64                        | 17.68                  | 17.61                         | 17.86                  |                     |          |  |  |
| 20              | 256QAM     | 1       | 99        | 17.62                 | 17.60                        | 17.54                  | 17.77                         | 17.64                  |                     |          |  |  |
| 20              | 256QAM     | 50      | 0         | 17.71                 | 18.08                        | 17.77                  | 17.94                         | 17.74                  | 19                  | 5        |  |  |
| 20              | 256QAM     | 50      | 24        | 17.72                 | 17.78                        | 17.82                  | 17.99                         | 17.64                  |                     |          |  |  |
| 20              | 256QAM     | 50      | 50        | 17.65                 | 17.65                        | 17.68                  | 17.85                         | 17.67                  |                     |          |  |  |
| 20              | 256QAM     | 100     | 0         | 17.61                 | 17.69                        | 17.63                  | 17.67                         | 18.08                  |                     |          |  |  |
| Channel         |            |         |           | 39725                 | 40173                        | 40603                  | 41068                         | 41515                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 2503.5                | 2548.3                       | 2593                   | 2637.8                        | 2682.5                 |                     |          |  |  |
| 15              | QPSK       | 1       | 0         | 22.44                 | 22.68                        | 22.58                  | 22.74                         | 22.59                  | 24                  | 0        |  |  |
| 15              | QPSK       | 1       | 37        | 22.82                 | 22.64                        | 22.57                  | 22.66                         | 22.58                  |                     |          |  |  |
| 15              | QPSK       | 1       | 74        | 22.56                 | 22.55                        | 22.53                  | 22.66                         | 22.62                  |                     |          |  |  |
| 15              | QPSK       | 36      | 20        | 21.26                 | 21.47                        | 21.45                  | 21.36                         | 21.29                  |                     |          |  |  |
| 15              | QPSK       | 36      | 39        | 21.12                 | 21.22                        | 21.24                  | 21.29                         | 21.45                  | 23                  | 1        |  |  |
| 15              | QPSK       | 75      | 0         | 21.33                 | 21.27                        | 21.42                  | 21.35                         | 21.32                  |                     |          |  |  |
| 15              | 16QAM      | 1       | 0         | 21.22                 | 21.29                        | 21.26                  | 21.16                         | 21.25                  |                     |          |  |  |
| 15              | 16QAM      | 1       | 37        | 21.28                 | 21.56                        | 21.27                  | 21.52                         | 21.45                  |                     |          |  |  |
| 15              | 16QAM      | 1       | 74        | 21.48                 | 21.25                        | 21.21                  | 21.19                         | 21.39                  | 23                  | 1        |  |  |
| 15              | 16QAM      | 36      | 0         | 20.38                 | 20.08                        | 20.19                  | 20.22                         | 20.24                  |                     |          |  |  |
| 15              | 16QAM      | 36      | 20        | 20.46                 | 20.28                        | 20.23                  | 20.15                         | 20.05                  |                     |          |  |  |
| 15              | 16QAM      | 36      | 39        | 20.24                 | 20.20                        | 20.24                  | 20.23                         | 20.29                  |                     |          |  |  |
| 15              | 16QAM      | 75      | 0         | 20.09                 | 20.29                        | 20.20                  | 20.24                         | 20.28                  | 22                  | 2        |  |  |
| 15              | 64QAM      | 1       | 0         | 20.24                 | 20.46                        | 20.48                  | 20.21                         | 20.37                  |                     |          |  |  |
| 15              | 64QAM      | 1       | 37        | 20.16                 | 20.31                        | 20.54                  | 20.25                         | 20.34                  |                     |          |  |  |
| 15              | 64QAM      | 1       | 74        | 20.48                 | 20.29                        | 20.58                  | 20.37                         | 20.52                  |                     |          |  |  |
| 15              | 64QAM      | 36      | 0         | 19.29                 | 19.70                        | 19.22                  | 19.50                         | 19.49                  | 21                  | 3        |  |  |
| 15              | 64QAM      | 36      | 20        | 19.53                 | 19.54                        | 19.48                  | 19.27                         | 19.31                  |                     |          |  |  |
| 15              | 64QAM      | 36      | 39        | 19.51                 | 19.35                        | 19.53                  | 19.31                         | 19.52                  |                     |          |  |  |
| 15              | 64QAM      | 75      | 0         | 19.30                 | 19.32                        | 19.25                  | 19.40                         | 19.20                  |                     |          |  |  |
| 15              | 256QAM     | 1       | 0         | 17.31                 | 17.51                        | 17.41                  | 17.37                         | 17.36                  | 19                  | 5        |  |  |
| 15              | 256QAM     | 1       | 37        | 17.34                 | 17.25                        | 17.54                  | 17.38                         | 17.68                  |                     |          |  |  |
| 15              | 256QAM     | 1       | 74        | 17.42                 | 17.39                        | 17.29                  | 17.40                         | 17.21                  |                     |          |  |  |
| 15              | 256QAM     | 36      | 0         | 17.35                 | 17.70                        | 17.70                  | 17.65                         | 17.52                  |                     |          |  |  |
| 15              | 256QAM     | 36      | 20        | 17.54                 | 17.40                        | 17.48                  | 17.78                         | 17.42                  | 19                  | 5        |  |  |
| 15              | 256QAM     | 36      | 39        | 17.39                 | 17.36                        | 17.31                  | 17.34                         | 17.32                  |                     |          |  |  |
| 15              | 256QAM     | 75      | 0         | 17.35                 | 17.34                        | 17.40                  | 17.50                         | 17.72                  |                     |          |  |  |
| Channel         |            |         |           | 39700                 | 40160                        | 40620                  | 41080                         | 41540                  |                     |          |  |  |
| Frequency (MHz) |            |         |           | 2501                  | 2547                         | 2593                   | 2639                          | 2685                   |                     |          |  |  |
| 10              | QPSK       | 1       | 0         | 22.29                 | 22.52                        | 22.36                  | 22.75                         | 22.52                  | 24                  | 0        |  |  |
| 10              | QPSK       | 1       | 25        | 22.55                 | 22.50                        | 22.35                  | 22.52                         | 22.53                  |                     |          |  |  |
| 10              | QPSK       | 1       | 49        | 22.39                 | 22.56                        | 22.36                  | 22.57                         | 22.53                  |                     |          |  |  |
| 10              | QPSK       | 25      | 0         | 21.35                 | 21.60                        | 21.45                  | 21.55                         | 21.46                  |                     |          |  |  |
| 10              | QPSK       | 25      | 12        | 21.46                 | 21.61                        | 21.63                  | 21.50                         | 21.36                  | 23                  | 1        |  |  |
| 10              | QPSK       | 25      | 25        | 21.20                 | 21.28                        | 21.46                  | 21.30                         | 21.46                  |                     |          |  |  |
| 10              | QPSK       | 50      | 0         | 21.45                 | 21.32                        | 21.80                  | 21.54                         | 21.32                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 0         | 21.25                 | 21.43                        | 21.34                  | 21.28                         | 21.28                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 25        | 21.46                 | 21.54                        | 21.30                  | 21.66                         | 21.52                  | 23                  | 1        |  |  |
| 10              | 16QAM      | 1       | 49        | 21.62                 | 21.32                        | 21.37                  | 21.29                         | 21.44                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 0         | 20.52                 | 20.10                        | 20.31                  | 20.23                         | 20.29                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 12        | 20.46                 | 20.39                        | 20.26                  | 20.18                         | 20.03                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 25        | 20.28                 | 20.45                        | 20.45                  | 20.22                         | 20.45                  | 22                  | 2        |  |  |
| 10              | 16QAM      | 50      | 0         | 20.11                 | 20.28                        | 20.23                  | 20.29                         | 20.38                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 0         | 20.37                 | 20.61                        | 20.57                  | 20.22                         | 20.53                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 25        | 20.25                 | 20.52                        | 20.67                  | 20.46                         | 20.37                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 49        | 20.60                 | 20.37                        | 20.66                  | 20.55                         | 20.54                  | 22                  | 2        |  |  |
| 10              | 64QAM      | 25      | 0         | 19.45                 | 19.73                        | 19.65                  | 19.59                         | 19.70                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 12        | 19.70                 | 19.65                        | 19.69                  | 19.32                         | 19.49                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 25        | 19.50                 | 19.43                        | 19.56                  | 19.53                         | 19.68                  |                     |          |  |  |
| 10              | 64QAM      | 50      | 0         | 19.40                 | 19.51                        | 19.45                  | 19.53                         | 19.29                  | 21                  | 3        |  |  |
| 10              | 256QAM     | 1       | 0         | 17.45                 | 17.61                        | 17.42                  | 17.44                         | 17.45                  |                     |          |  |  |
| 10              | 256QAM     | 1       | 25        | 17.48                 | 17.42                        | 17.64                  | 17.49                         | 17.67                  |                     |          |  |  |
| 10              | 256QAM     | 1       | 49        | 17.61                 | 17.53                        | 17.61                  | 17.52                         | 17.63                  |                     |          |  |  |
| 10              | 256QAM     | 25      | 0         | 17.38                 | 17.82                        | 17.58                  | 17.72                         | 17.70                  | 19                  | 5        |  |  |
| 10              | 256QAM     | 25      | 12        | 17.59                 | 17.46                        | 17.49                  | 17.69                         | 17.56                  |                     |          |  |  |
| 10              | 256QAM     | 25      | 25        | 17.40                 | 17.57                        | 17.36                  | 17.52                         | 17.49                  |                     |          |  |  |
| 10              | 256QAM     | 50      | 0         | 17.39                 | 17.33                        | 17.61                  | 17.62                         | 17.82                  |                     |          |  |  |
| Channel         |            |         |           | 39675                 | 40146                        | 40620                  | 41093                         | 41565                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 2498.5                | 25453                        | 25933                  | 26403                         | 26873                  |                     |          |  |  |
| 5               | QPSK       | 1       | 0         | 22.24                 | 22.69                        | 22.39                  | 22.65                         | 22.49                  | 24                  | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 22.49                 | 22.63                        | 22.39                  | 22.44                         | 22.57                  |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 22.49                 | 22.36                        | 22.35                  | 22.59                         | 22.49                  |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 21.27                 | 21.53                        | 21.48                  | 21.49                         | 21.32                  |                     |          |  |  |
| 5               | QPSK       | 12      | 7         | 21.57                 | 21.44                        | 21.52                  | 21.63                         | 21.22                  | 23                  | 1        |  |  |
| 5               | QPSK       | 12      | 13        | 21.24                 | 21.28                        | 21.34                  | 21.42                         | 21.64                  |                     |          |  |  |
| 5               | QPSK       | 25      | 0         | 21.43                 | 21.40                        | 21.59                  | 21.57                         | 21.30                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 0         | 21.21                 | 21.45                        | 21.32                  | 21.19                         | 21.40                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 12        | 21.33                 | 21.64                        | 21.40                  | 21.62                         | 21.60                  | 23                  | 1        |  |  |
| 5               | 16QAM      | 1       | 24        | 21.46                 | 21.38                        | 21.39                  | 21.24                         | 21.38                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 0         | 20.42                 | 20.10                        | 20.27                  | 20.20                         | 20.36                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 7         | 20.54                 | 20.50                        | 20.32                  | 20.34                         | 20.23                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 13        | 20.46                 | 20.19                        | 20.22                  | 20.21                         | 20.33                  | 22                  | 2        |  |  |
| 5               | 16QAM      | 25      | 0         | 20.29                 | 20.47                        | 20.24                  | 20.23                         | 20.28                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 0         | 20.42                 | 20.47                        | 20.53                  | 20.40                         | 20.47                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 12        | 20.36                 | 20.43                        | 20.69                  | 20.37                         | 20.51                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 24        | 20.53                 | 20.50                        | 20.69                  | 20.48                         | 20.66                  | 22                  | 2        |  |  |
| 5               | 64QAM      | 12      | 0         | 19.48                 | 19.75                        | 19.26                  | 19.54                         | 19.70                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 7         | 19.53                 | 19.73                        | 19.55                  | 19.43                         | 19.51                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 13        | 19.70                 | 19.51                        | 19.68                  | 19.49                         | 19.58                  |                     |          |  |  |
| 5               | 64QAM      | 25      | 0         | 19.40                 | 19.34                        | 19.26                  | 19.54                         | 19.26                  | 21                  | 3        |  |  |
| 5               | 256QAM     | 1       | 0         | 17.35                 | 17.57                        | 17.47                  | 17.39                         | 17.45                  |                     |          |  |  |
| 5               | 256QAM     | 1       | 12        | 17.49                 | 17.43                        | 17.60                  | 17.51                         | 17.82                  |                     |          |  |  |
| 5               | 256QAM     | 1       | 24        | 17.62                 | 17.43                        | 17.40                  | 17.45                         | 17.35                  |                     |          |  |  |
| 5               | 256QAM     | 12      | 0         | 17.51                 | 17.79                        | 17.48                  | 17.66                         | 17.51                  | 19                  | 5        |  |  |
| 5               | 256QAM     | 12      | 7         | 17.70                 | 17.66                        | 17.64                  | 17.65                         | 17.42                  |                     |          |  |  |
| 5               | 256QAM     | 12      | 13        | 17.52                 | 17.63                        | 17.48                  | 17.45                         | 17.49                  |                     |          |  |  |
| 5               | 256QAM     | 25      | 0         | 17.47                 | 17.65                        | 17.48                  | 17.55                         | 17.88                  |                     |          |  |  |

| Band 2 Ant 4    |            |          |            |                          |                          |                          |                          |                          |             |
|-----------------|------------|----------|------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------|
| BW (MHz)        | Modulation | RIS Size | RIS Offset | Power Min<br>Ch./F.Freq. | Power Max<br>Ch./F.Freq. | Power Min<br>Ch./F.Freq. | Power Max<br>Ch./F.Freq. | Turn-on<br>Time<br>(sec) | MPR<br>(dB) |
| Channel         |            |          |            |                          |                          |                          |                          |                          |             |
| Frequency (MHz) |            |          |            |                          |                          |                          |                          |                          |             |
| 20              | QPSK       | 1        | 0          | 16.54                    | 16.64                    | 16.52                    |                          |                          |             |
| 20              | QPSK       | 1        | 8          | 16.48                    | 16.59                    | 16.53                    |                          |                          | 17.6        |
| 20              | QPSK       | 1        | 16         | 16.54                    | 16.64                    | 16.52                    |                          |                          |             |
| 20              | QPSK       | 50       | 0          | 16.46                    | 16.63                    | 16.57                    |                          |                          |             |
| 20              | QPSK       | 50       | 24         | 16.48                    | 16.49                    | 16.58                    |                          |                          | 17.6        |
| 20              | QPSK       | 100      | 0          | 16.53                    | 16.63                    | 16.48                    |                          |                          |             |
| 20              | QPSK       | 100      | 8          | 16.53                    | 16.63                    | 16.48                    |                          |                          |             |
| 20              | QPSK       | 100      | 16         | 16.53                    | 16.63                    | 16.48                    |                          |                          | 17.6        |
| 20              | QPSK       | 100      | 24         | 16.53                    | 16.63                    | 16.48                    |                          |                          |             |
| 20              | QPSK       | 1        | 99         | 16.56                    | 16.49                    | 16.55                    |                          |                          |             |
| 20              | QPSK       | 50       | 0          | 16.54                    | 16.53                    | 16.56                    |                          |                          |             |
| 20              | QPSK       | 50       | 24         | 16.52                    | 16.52                    | 16.59                    |                          |                          | 17.6        |
| 20              | QPSK       | 100      | 0          | 16.51                    | 16.59                    | 16.50                    |                          |                          |             |
| 20              | QPSK       | 100      | 8          | 16.51                    | 16.59                    | 16.50                    |                          |                          |             |
| 20              | QPSK       | 100      | 16         | 16.51                    | 16.59                    | 16.50                    |                          |                          |             |
| 20              | QPSK       | 100      | 24         | 16.51                    | 16.59                    | 16.50                    |                          |                          | 17.6        |
| 20              | QPSK       | 1        | 49         | 16.53                    | 16.57                    | 16.59                    |                          |                          |             |
| 20              | QPSK       | 1        | 59         | 16.54                    | 16.52                    | 16.51                    |                          |                          |             |
| 20              | QPSK       | 50       | 0          | 16.50                    | 16.52                    | 16.57                    |                          |                          |             |
| 20              | QPSK       | 50       | 24         | 16.50                    | 16.52                    | 16.57                    |                          |                          | 17.6        |
| 20              | QPSK       | 100      | 0          | 16.50                    | 16.52                    | 16.57                    |                          |                          |             |
| 20              | QPSK       | 100      | 8          | 16.50                    | 16.52                    | 16.57                    |                          |                          |             |
| 20              | QPSK       | 100      | 16         | 16.50                    | 16.52                    | 16.57                    |                          |                          |             |
| 20              | QPSK       | 100      | 24         | 16.50                    | 16.52                    | 16.57                    |                          |                          | 17.6        |
| 20              | QPSK       | 1        | 99         | 16.57                    | 16.55                    | 16.55                    |                          |                          |             |
| 20              | QPSK       | 1        | 49         | 16.58                    | 16.53                    | 16.52                    |                          |                          |             |
| 20              | QPSK       | 1        | 59         | 16.53                    | 16.53                    | 16.52                    |                          |                          |             |
| 20              | QPSK       | 50       | 0          | 16.58                    | 16.56                    | 16.46                    |                          |                          | 17.6        |
| 20              | QPSK       | 50       | 24         | 16.58                    | 16.56                    | 16.46                    |                          |                          |             |
| 20              | QPSK       | 100      | 0          | 16.47                    | 16.63                    | 16.51                    |                          |                          |             |
| 20              | QPSK       | 100      | 24         | 16.48                    | 16.63                    | 16.51                    |                          |                          | 17.6        |
| Channel         |            |          |            |                          |                          |                          |                          |                          |             |
| Frequency (MHz) |            |          |            |                          |                          |                          |                          |                          |             |
| 15              | QPSK       | 1        | 0          | 16.50                    | 16.58                    | 16.52                    |                          |                          |             |
| 15              | QPSK       | 1        | 8          | 16.48                    | 16.48                    | 16.50                    |                          |                          | 17.6        |
| 15              | QPSK       | 1        | 16         | 16.51                    | 16.44                    | 16.49                    |                          |                          |             |
| 15              | QPSK       | 36       | 0          | 16.50                    | 16.49                    | 16.49                    |                          |                          |             |
| 15              | QPSK       | 36       | 36         | 16.45                    | 16.51                    | 16.42                    |                          |                          | 17.6        |
| 15              | QPSK       | 75       | 0          | 16.49                    | 16.51                    | 16.54                    |                          |                          |             |
| 15              | QPSK       | 75       | 0          | 16.51                    | 16.49                    | 16.54                    |                          |                          | 17.6        |
| 15              | QPSK       | 1        | 37         | 16.50                    | 16.56                    | 16.51                    |                          |                          |             |
| 15              | QPSK       | 1        | 47         | 16.48                    | 16.48                    | 16.53                    |                          |                          |             |
| 15              | QPSK       | 36       | 0          | 16.48                    | 16.55                    | 16.54                    |                          |                          |             |
| 15              | QPSK       | 36       | 36         | 16.47                    | 16.54                    | 16.45                    |                          |                          | 17.6        |
| 15              | QPSK       | 75       | 0          | 16.52                    | 16.49                    | 16.53                    |                          |                          |             |
| 15              | QPSK       | 75       | 0          | 16.48                    | 16.52                    | 16.47                    |                          |                          | 17.6        |
| 15              | QPSK       | 1        | 49         | 16.52                    | 16.50                    | 16.53                    |                          |                          |             |
| 15              | QPSK       | 1        | 59         | 16.53                    | 16.50                    | 16.51                    |                          |                          |             |
| 15              | QPSK       | 36       | 36         | 16.54                    | 16.52                    | 16.48                    |                          |                          | 17.6        |
| 15              | QPSK       | 75       | 0          | 16.52                    | 16.50                    | 16.47                    |                          |                          |             |
| 15              | QPSK       | 75       | 0          | 16.48                    | 16.55                    | 16.47                    |                          |                          | 17.6        |
| 15              | QPSK       | 1        | 37         | 16.45                    | 16.55                    | 16.42                    |                          |                          |             |
| 15              | QPSK       | 1        | 47         | 16.49                    | 16.55                    | 16.46                    |                          |                          |             |
| 15              | QPSK       | 36       | 36         | 16.51                    | 16.47                    | 16.53                    |                          |                          | 17.6        |
| 15              | QPSK       | 75       | 0          | 16.48                    | 16.50                    | 16.45                    |                          |                          |             |
| 15              | QPSK       | 75       | 0          | 16.43                    | 16.45                    | 16.53                    |                          |                          | 17.6        |
| Channel         |            |          |            |                          |                          |                          |                          |                          |             |
| Frequency (MHz) |            |          |            |                          |                          |                          |                          |                          |             |
| 10              | QPSK       | 1        | 0          | 16.54                    | 16.55                    | 16.52                    |                          |                          |             |
| 10              | QPSK       | 1        | 25         | 16.54                    | 16.55                    | 16.52                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 49         | 16.51                    | 16.46                    | 16.50                    |                          |                          |             |
| 10              | QPSK       | 25       | 0          | 16.52                    | 16.51                    | 16.54                    |                          |                          |             |
| 10              | QPSK       | 25       | 12         | 16.54                    | 16.45                    | 16.50                    |                          |                          | 17.6        |
| 10              | QPSK       | 25       | 25         | 16.52                    | 16.45                    | 16.45                    |                          |                          |             |
| 10              | QPSK       | 25       | 37         | 16.50                    | 16.48                    | 16.53                    |                          |                          |             |
| 10              | QPSK       | 1        | 0          | 16.48                    | 16.50                    | 16.42                    |                          |                          |             |
| 10              | QPSK       | 1        | 25         | 16.50                    | 16.45                    | 16.47                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 49         | 16.48                    | 16.51                    | 16.53                    |                          |                          |             |
| 10              | QPSK       | 25       | 0          | 16.53                    | 16.46                    | 16.51                    |                          |                          |             |
| 10              | QPSK       | 25       | 12         | 16.52                    | 16.48                    | 16.44                    |                          |                          | 17.6        |
| 10              | QPSK       | 25       | 25         | 16.45                    | 16.52                    | 16.50                    |                          |                          |             |
| 10              | QPSK       | 25       | 37         | 16.45                    | 16.51                    | 16.47                    |                          |                          |             |
| 10              | QPSK       | 1        | 0          | 16.42                    | 16.53                    | 16.54                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 25         | 16.54                    | 16.51                    | 16.44                    |                          |                          |             |
| 10              | QPSK       | 1        | 49         | 16.48                    | 16.46                    | 16.52                    |                          |                          |             |
| 10              | QPSK       | 25       | 0          | 16.43                    | 16.57                    | 16.44                    |                          |                          |             |
| 10              | QPSK       | 25       | 12         | 16.51                    | 16.45                    | 16.45                    |                          |                          | 17.6        |
| 10              | QPSK       | 25       | 25         | 16.51                    | 16.52                    | 16.43                    |                          |                          |             |
| 10              | QPSK       | 25       | 37         | 16.51                    | 16.52                    | 16.43                    |                          |                          |             |
| 10              | QPSK       | 1        | 0          | 16.47                    | 16.46                    | 16.52                    |                          |                          |             |
| 10              | QPSK       | 1        | 25         | 16.43                    | 16.57                    | 16.44                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 49         | 16.51                    | 16.45                    | 16.45                    |                          |                          |             |
| 10              | QPSK       | 25       | 0          | 16.48                    | 16.52                    | 16.43                    |                          |                          |             |
| 10              | QPSK       | 25       | 12         | 16.47                    | 16.45                    | 16.45                    |                          |                          | 17.6        |
| 10              | QPSK       | 25       | 25         | 16.49                    | 16.51                    | 16.53                    |                          |                          |             |
| 10              | QPSK       | 25       | 37         | 16.47                    | 16.48                    | 16.45                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 0          | 16.50                    | 16.46                    | 16.51                    |                          |                          |             |
| 10              | QPSK       | 1        | 25         | 16.46                    | 16.53                    | 16.52                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 49         | 16.48                    | 16.46                    | 16.51                    |                          |                          |             |
| 10              | QPSK       | 25       | 0          | 16.43                    | 16.57                    | 16.44                    |                          |                          |             |
| 10              | QPSK       | 25       | 12         | 16.51                    | 16.45                    | 16.45                    |                          |                          | 17.6        |
| 10              | QPSK       | 25       | 25         | 16.51                    | 16.52                    | 16.43                    |                          |                          |             |
| 10              | QPSK       | 25       | 37         | 16.51                    | 16.52                    | 16.43                    |                          |                          |             |
| 10              | QPSK       | 1        | 0          | 16.47                    | 16.46                    | 16.52                    |                          |                          |             |
| 10              | QPSK       | 1        | 25         | 16.43                    | 16.57                    | 16.44                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 49         | 16.51                    | 16.45                    | 16.45                    |                          |                          |             |
| 10              | QPSK       | 25       | 0          | 16.48                    | 16.52                    | 16.43                    |                          |                          |             |
| 10              | QPSK       | 25       | 12         | 16.47                    | 16.45                    | 16.45                    |                          |                          | 17.6        |
| 10              | QPSK       | 25       | 25         | 16.49                    | 16.51                    | 16.53                    |                          |                          |             |
| 10              | QPSK       | 25       | 37         | 16.47                    | 16.48                    | 16.45                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 0          | 16.50                    | 16.46                    | 16.51                    |                          |                          |             |
| 10              | QPSK       | 1        | 25         | 16.46                    | 16.53                    | 16.52                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 49         | 16.48                    | 16.46                    | 16.51                    |                          |                          |             |
| 10              | QPSK       | 25       | 0          | 16.43                    | 16.57                    | 16.44                    |                          |                          |             |
| 10              | QPSK       | 25       | 12         | 16.51                    | 16.45                    | 16.45                    |                          |                          | 17.6        |
| 10              | QPSK       | 25       | 25         | 16.51                    | 16.52                    | 16.43                    |                          |                          |             |
| 10              | QPSK       | 25       | 37         | 16.51                    | 16.52                    | 16.43                    |                          |                          |             |
| 10              | QPSK       | 1        | 0          | 16.47                    | 16.46                    | 16.52                    |                          |                          |             |
| 10              | QPSK       | 1        | 25         | 16.43                    | 16.57                    | 16.44                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 49         | 16.51                    | 16.45                    | 16.45                    |                          |                          |             |
| 10              | QPSK       | 25       | 0          | 16.48                    | 16.52                    | 16.43                    |                          |                          |             |
| 10              | QPSK       | 25       | 12         | 16.47                    | 16.45                    | 16.45                    |                          |                          | 17.6        |
| 10              | QPSK       | 25       | 25         | 16.49                    | 16.51                    | 16.53                    |                          |                          |             |
| 10              | QPSK       | 25       | 37         | 16.47                    | 16.48                    | 16.45                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 0          | 16.50                    | 16.46                    | 16.51                    |                          |                          |             |
| 10              | QPSK       | 1        | 25         | 16.46                    | 16.53                    | 16.52                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 49         | 16.48                    | 16.46                    | 16.51                    |                          |                          |             |
| 10              | QPSK       | 25       | 0          | 16.43                    | 16.57                    | 16.44                    |                          |                          |             |
| 10              | QPSK       | 25       | 12         | 16.51                    | 16.45                    | 16.45                    |                          |                          | 17.6        |
| 10              | QPSK       | 25       | 25         | 16.51                    | 16.52                    | 16.43                    |                          |                          |             |
| 10              | QPSK       | 25       | 37         | 16.51                    | 16.52                    | 16.43                    |                          |                          |             |
| 10              | QPSK       | 1        | 0          | 16.47                    | 16.46                    | 16.52                    |                          |                          |             |
| 10              | QPSK       | 1        | 25         | 16.43                    | 16.57                    | 16.44                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 49         | 16.51                    | 16.45                    | 16.45                    |                          |                          |             |
| 10              | QPSK       | 25       | 0          | 16.48                    | 16.52                    | 16.43                    |                          |                          |             |
| 10              | QPSK       | 25       | 12         | 16.47                    | 16.45                    | 16.45                    |                          |                          | 17.6        |
| 10              | QPSK       | 25       | 25         | 16.49                    | 16.51                    | 16.53                    |                          |                          |             |
| 10              | QPSK       | 25       | 37         | 16.47                    | 16.48                    | 16.45                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 0          | 16.50                    | 16.46                    | 16.51                    |                          |                          |             |
| 10              | QPSK       | 1        | 25         | 16.46                    | 16.53                    | 16.52                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 49         | 16.48                    | 16.46                    | 16.51                    |                          |                          |             |
| 10              | QPSK       | 25       | 0          | 16.43                    | 16.57                    | 16.44                    |                          |                          |             |
| 10              | QPSK       | 25       | 12         | 16.51                    | 16.45                    | 16.45                    |                          |                          | 17.6        |
| 10              | QPSK       | 25       | 25         | 16.51                    | 16.52                    | 16.43                    |                          |                          |             |
| 10              | QPSK       | 25       | 37         | 16.51                    | 16.52                    | 16.43                    |                          |                          |             |
| 10              | QPSK       | 1        | 0          | 16.47                    | 16.46                    | 16.52                    |                          |                          |             |
| 10              | QPSK       | 1        | 25         | 16.43                    | 16.57                    | 16.44                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 49         | 16.51                    | 16.45                    | 16.45                    |                          |                          |             |
| 10              | QPSK       | 25       | 0          | 16.48                    | 16.52                    | 16.43                    |                          |                          |             |
| 10              | QPSK       | 25       | 12         | 16.47                    | 16.45                    | 16.45                    |                          |                          | 17.6        |
| 10              | QPSK       | 25       | 25         | 16.49                    | 16.51                    | 16.53                    |                          |                          |             |
| 10              | QPSK       | 25       | 37         | 16.47                    | 16.48                    | 16.45                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 0          | 16.50                    | 16.46                    | 16.51                    |                          |                          |             |
| 10              | QPSK       | 1        | 25         | 16.46                    | 16.53                    | 16.52                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 49         | 16.48                    | 16.46                    | 16.51                    |                          |                          |             |
| 10              | QPSK       | 25       | 0          | 16.43                    | 16.57                    | 16.44                    |                          |                          |             |
| 10              | QPSK       | 25       | 12         | 16.51                    | 16.45                    | 16.45                    |                          |                          | 17.6        |
| 10              | QPSK       | 25       | 25         | 16.51                    | 16.52                    | 16.43                    |                          |                          |             |
| 10              | QPSK       | 25       | 37         | 16.51                    | 16.52                    | 16.43                    |                          |                          |             |
| 10              | QPSK       | 1        | 0          | 16.47                    | 16.46                    | 16.52                    |                          |                          |             |
| 10              | QPSK       | 1        | 25         | 16.43                    | 16.57                    | 16.44                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 49         | 16.51                    | 16.45                    | 16.45                    |                          |                          |             |
| 10              | QPSK       | 25       | 0          | 16.48                    | 16.52                    | 16.43                    |                          |                          |             |
| 10              | QPSK       | 25       | 12         | 16.47                    | 16.45                    | 16.45                    |                          |                          | 17.6        |
| 10              | QPSK       | 25       | 25         | 16.49                    | 16.51                    | 16.53                    |                          |                          |             |
| 10              | QPSK       | 25       | 37         | 16.47                    | 16.48                    | 16.45                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 0          | 16.50                    | 16.46                    | 16.51                    |                          |                          |             |
| 10              | QPSK       | 1        | 25         | 16.46                    | 16.53                    | 16.52                    |                          |                          | 17.6        |
| 10              | QPSK       | 1        | 49         | 16.48                    | 16.46                    | 16.51                    |                          |                          |             |
| 10              | QPSK       | 25       | 0          | 16.43                    | 16.57                    | 16.44                    |                          |                          |             |
| 10              | QPSK       | 25       | 12         | 16.51                    | 16.45                    | 16.45                    |                          |                          | 17.6        |
| 10              | QPSK       |          |            |                          |                          |                          |                          |                          |             |

| Band 25 Ant 4   |            |         |           |                           |                              |                            |               |          |  |  |
|-----------------|------------|---------|-----------|---------------------------|------------------------------|----------------------------|---------------|----------|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch./Freq. (dBm) | Power Middle Ch./Freq. (dBm) | Power High Ch./Freq. (dBm) | Time-up (sec) | MPE (dB) |  |  |
| Channel         |            |         |           |                           |                              |                            |               |          |  |  |
| Frequency (MHz) |            |         |           |                           |                              |                            |               |          |  |  |
| 20              | QPSK       | 1       | 0         | 16.57                     | 16.65                        | 16.48                      |               |          |  |  |
| 20              | QPSK       | 1       | 49        | 16.52                     | 16.62                        | 16.47                      | 17.6          | 0        |  |  |
| 20              | QPSK       | 1       | 99        | 16.49                     | 16.62                        | 16.46                      |               |          |  |  |
| 20              | QPSK       | 50      | 0         | 16.50                     | 16.61                        | 16.55                      |               |          |  |  |
| 20              | QPSK       | 50      | 24        | 16.48                     | 16.63                        | 16.48                      | 17.6          | 0        |  |  |
| 20              | QPSK       | 50      | 50        | 16.56                     | 16.53                        | 16.46                      |               |          |  |  |
| 20              | 16QAM      | 1       | 0         | 16.58                     | 16.57                        | 16.49                      |               |          |  |  |
| 20              | 16QAM      | 1       | 49        | 16.54                     | 16.51                        | 16.52                      | 17.6          | 0        |  |  |
| 20              | 16QAM      | 1       | 99        | 16.54                     | 16.57                        | 16.54                      |               |          |  |  |
| 20              | 16QAM      | 50      | 0         | 16.57                     | 16.56                        | 16.48                      |               |          |  |  |
| 20              | 16QAM      | 50      | 24        | 16.56                     | 16.53                        | 16.51                      | 17.6          | 0        |  |  |
| 20              | 16QAM      | 50      | 50        | 16.58                     | 16.52                        | 16.48                      |               |          |  |  |
| 20              | 16QAM      | 100     | 0         | 16.50                     | 16.53                        | 16.54                      |               |          |  |  |
| 20              | 64QAM      | 1       | 0         | 16.48                     | 16.51                        | 16.54                      |               |          |  |  |
| 20              | 64QAM      | 1       | 49        | 16.58                     | 16.46                        | 16.58                      | 17.6          | 0        |  |  |
| 20              | 64QAM      | 1       | 99        | 16.48                     | 16.50                        | 16.53                      |               |          |  |  |
| 20              | 64QAM      | 50      | 0         | 16.51                     | 16.54                        | 16.53                      |               |          |  |  |
| 20              | 64QAM      | 50      | 24        | 16.48                     | 16.50                        | 16.48                      | 17.6          | 0        |  |  |
| 20              | 64QAM      | 50      | 50        | 16.58                     | 16.53                        | 16.50                      |               |          |  |  |
| 20              | 256QAM     | 1       | 0         | 16.54                     | 16.57                        | 16.46                      |               |          |  |  |
| 20              | 256QAM     | 1       | 49        | 16.58                     | 16.49                        | 16.47                      | 17.6          | 0        |  |  |
| 20              | 256QAM     | 1       | 99        | 16.56                     | 16.54                        | 16.56                      |               |          |  |  |
| 20              | 256QAM     | 50      | 0         | 16.58                     | 16.55                        | 16.48                      |               |          |  |  |
| 20              | 256QAM     | 50      | 24        | 16.56                     | 16.51                        | 16.60                      | 17.6          | 0        |  |  |
| 20              | 256QAM     | 50      | 50        | 16.47                     | 16.58                        | 16.49                      |               |          |  |  |
| 20              | 256QAM     | 100     | 0         | 16.59                     | 16.58                        | 16.47                      |               |          |  |  |
| Channel         |            |         |           |                           |                              |                            |               |          |  |  |
| Frequency (MHz) |            |         |           |                           |                              |                            |               |          |  |  |
| 15              | QPSK       | 1       | 0         | 16.43                     | 16.51                        | 16.47                      |               |          |  |  |
| 15              | QPSK       | 1       | 49        | 16.44                     | 16.47                        | 16.47                      | 17.6          | 0        |  |  |
| 15              | QPSK       | 1       | 74        | 16.54                     | 16.52                        | 16.44                      |               |          |  |  |
| 15              | QPSK       | 36      | 0         | 16.50                     | 16.46                        | 16.44                      |               |          |  |  |
| 15              | QPSK       | 36      | 24        | 16.44                     | 16.45                        | 16.47                      | 17.6          | 0        |  |  |
| 15              | QPSK       | 36      | 36        | 16.48                     | 16.45                        | 16.52                      |               |          |  |  |
| 15              | QPSK       | 75      | 0         | 16.54                     | 16.57                        | 16.43                      |               |          |  |  |
| 15              | 16QAM      | 1       | 0         | 16.52                     | 16.56                        | 16.47                      |               |          |  |  |
| 15              | 16QAM      | 1       | 37        | 16.52                     | 16.57                        | 16.51                      | 17.6          | 0        |  |  |
| 15              | 16QAM      | 1       | 74        | 16.53                     | 16.49                        | 16.54                      |               |          |  |  |
| 15              | 16QAM      | 36      | 0         | 16.48                     | 16.48                        | 16.48                      |               |          |  |  |
| 15              | 16QAM      | 36      | 20        | 16.54                     | 16.58                        | 16.42                      | 17.6          | 0        |  |  |
| 15              | 16QAM      | 36      | 39        | 16.56                     | 16.55                        | 16.50                      |               |          |  |  |
| 15              | 16QAM      | 75      | 0         | 16.54                     | 16.45                        | 16.45                      |               |          |  |  |
| 15              | 64QAM      | 1       | 0         | 16.54                     | 16.47                        | 16.43                      |               |          |  |  |
| 15              | 64QAM      | 1       | 49        | 16.44                     | 16.47                        | 16.43                      | 17.6          | 0        |  |  |
| 15              | 64QAM      | 1       | 74        | 16.53                     | 16.47                        | 16.42                      |               |          |  |  |
| 15              | 64QAM      | 36      | 0         | 16.53                     | 16.56                        | 16.44                      |               |          |  |  |
| 15              | 64QAM      | 36      | 20        | 16.46                     | 16.44                        | 16.44                      | 17.6          | 0        |  |  |
| 15              | 64QAM      | 36      | 39        | 16.52                     | 16.52                        | 16.48                      |               |          |  |  |
| 15              | 64QAM      | 75      | 0         | 16.41                     | 16.50                        | 16.51                      |               |          |  |  |
| 15              | 256QAM     | 1       | 0         | 16.48                     | 16.46                        | 16.46                      |               |          |  |  |
| 15              | 256QAM     | 1       | 37        | 16.48                     | 16.46                        | 16.46                      | 17.6          | 0        |  |  |
| 15              | 256QAM     | 1       | 74        | 16.53                     | 16.45                        | 16.47                      |               |          |  |  |
| 15              | 256QAM     | 36      | 0         | 16.45                     | 16.48                        | 16.47                      |               |          |  |  |
| 15              | 256QAM     | 36      | 20        | 16.45                     | 16.46                        | 16.41                      | 17.6          | 0        |  |  |
| 15              | 256QAM     | 36      | 39        | 16.45                     | 16.45                        | 16.53                      |               |          |  |  |
| 15              | 256QAM     | 75      | 0         | 16.48                     | 16.45                        | 16.43                      |               |          |  |  |
| Channel         |            |         |           |                           |                              |                            |               |          |  |  |
| Frequency (MHz) |            |         |           |                           |                              |                            |               |          |  |  |
| 10              | QPSK       | 1       | 0         | 16.55                     | 16.60                        | 16.49                      |               |          |  |  |
| 10              | QPSK       | 1       | 24        | 16.51                     | 16.58                        | 16.48                      | 17.6          | 0        |  |  |
| 10              | QPSK       | 1       | 49        | 16.45                     | 16.54                        | 16.43                      |               |          |  |  |
| 10              | QPSK       | 25      | 0         | 16.47                     | 16.55                        | 16.43                      |               |          |  |  |
| 10              | QPSK       | 25      | 12        | 16.49                     | 16.49                        | 16.47                      | 17.6          | 0        |  |  |
| 10              | QPSK       | 25      | 25        | 16.41                     | 16.58                        | 16.42                      |               |          |  |  |
| 10              | 16QAM      | 1       | 0         | 16.57                     | 16.56                        | 16.48                      |               |          |  |  |
| 10              | 16QAM      | 1       | 24        | 16.47                     | 16.49                        | 16.49                      |               |          |  |  |
| 10              | 16QAM      | 1       | 49        | 16.55                     | 16.53                        | 16.45                      | 17.6          | 0        |  |  |
| 10              | 16QAM      | 1       | 74        | 16.52                     | 16.57                        | 16.51                      |               |          |  |  |
| 10              | 16QAM      | 25      | 0         | 16.48                     | 16.57                        | 16.52                      |               |          |  |  |
| 10              | 16QAM      | 25      | 12        | 16.49                     | 16.50                        | 16.49                      | 17.6          | 0        |  |  |
| 10              | 16QAM      | 25      | 25        | 16.53                     | 16.48                        | 16.48                      |               |          |  |  |
| 10              | 16QAM      | 50      | 0         | 16.53                     | 16.58                        | 16.42                      |               |          |  |  |
| 10              | 64QAM      | 1       | 0         | 16.53                     | 16.56                        | 16.48                      |               |          |  |  |
| 10              | 64QAM      | 1       | 49        | 16.42                     | 16.48                        | 16.43                      | 17.6          | 0        |  |  |
| 10              | 64QAM      | 1       | 49        | 16.54                     | 16.57                        | 16.52                      |               |          |  |  |
| 10              | 64QAM      | 25      | 0         | 16.49                     | 16.54                        | 16.46                      |               |          |  |  |
| 10              | 64QAM      | 25      | 12        | 16.48                     | 16.50                        | 16.49                      | 17.6          | 0        |  |  |
| 10              | 64QAM      | 25      | 25        | 16.53                     | 16.48                        | 16.48                      |               |          |  |  |
| 10              | 64QAM      | 50      | 0         | 16.51                     | 16.58                        | 16.54                      |               |          |  |  |
| 10              | 64QAM      | 50      | 12        | 16.43                     | 16.55                        | 16.43                      | 17.6          | 0        |  |  |
| 10              | 64QAM      | 50      | 25        | 16.50                     | 16.56                        | 16.50                      |               |          |  |  |
| 10              | 64QAM      | 100     | 0         | 16.52                     | 16.49                        | 16.50                      |               |          |  |  |
| Channel         |            |         |           |                           |                              |                            |               |          |  |  |
| Frequency (MHz) |            |         |           |                           |                              |                            |               |          |  |  |
| 5               | QPSK       | 1       | 0         | 16.54                     | 16.59                        | 16.51                      |               |          |  |  |
| 5               | QPSK       | 1       | 12        | 16.54                     | 16.50                        | 16.53                      | 17.6          | 0        |  |  |
| 5               | QPSK       | 1       | 24        | 16.48                     | 16.56                        | 16.46                      |               |          |  |  |
| 5               | QPSK       | 12      | 0         | 16.48                     | 16.47                        | 16.48                      |               |          |  |  |
| 5               | QPSK       | 12      | 7         | 16.46                     | 16.52                        | 16.46                      | 17.6          | 0        |  |  |
| 5               | QPSK       | 12      | 13        | 16.53                     | 16.48                        | 16.53                      |               |          |  |  |
| 5               | 16QAM      | 1       | 0         | 16.50                     | 16.56                        | 16.47                      |               |          |  |  |
| 5               | 16QAM      | 1       | 0         | 16.45                     | 16.48                        | 16.50                      | 17.6          | 0        |  |  |
| 5               | 16QAM      | 1       | 12        | 16.48                     | 16.56                        | 16.52                      |               |          |  |  |
| 5               | 16QAM      | 1       | 12        | 16.51                     | 16.46                        | 16.51                      |               |          |  |  |
| 5               | 16QAM      | 12      | 0         | 16.49                     | 16.48                        | 16.54                      |               |          |  |  |
| 5               | 16QAM      | 12      | 7         | 16.48                     | 16.57                        | 16.54                      | 17.6          | 0        |  |  |
| 5               | 16QAM      | 12      | 13        | 16.53                     | 16.48                        | 16.49                      |               |          |  |  |
| 5               | 16QAM      | 25      | 0         | 16.49                     | 16.48                        | 16.55                      |               |          |  |  |
| 5               | 64QAM      | 1       | 0         | 16.43                     | 16.49                        | 16.48                      |               |          |  |  |
| 5               | 64QAM      | 1       | 12        | 16.43                     | 16.48                        | 16.55                      | 17.6          | 0        |  |  |
| 5               | 64QAM      | 12      | 0         | 16.48                     | 16.47                        | 16.49                      |               |          |  |  |
| 5               | 64QAM      | 12      | 13        | 16.54                     | 16.52                        | 16.49                      | 17.6          | 0        |  |  |
| 5               | 64QAM      | 25      | 0         | 16.53                     | 16.51                        | 16.50                      |               |          |  |  |
| 5               | 256QAM     | 1       | 0         | 16.52                     | 16.51                        | 16.54                      |               |          |  |  |
| 5               | 256QAM     | 1       | 12        | 16.43                     | 16.51                        | 16.44                      | 17.6          | 0        |  |  |
| 5               | 256QAM     | 1       | 24        | 16.50                     | 16.46                        | 16.49                      |               |          |  |  |
| 5               | 256QAM     | 12      | 0         | 16.48                     | 16.46                        | 16.43                      |               |          |  |  |
| 5               | 256QAM     | 12      | 7         | 16.41                     | 16.53                        | 16.41                      | 17.6          | 0        |  |  |
| 5               | 256QAM     | 12      | 13        | 16.53                     | 16.47                        | 16.45                      |               |          |  |  |
| 5               | 256QAM     | 25      | 0         | 16.54                     | 16.45                        | 16.45                      |               |          |  |  |
| Channel         |            |         |           |                           |                              |                            |               |          |  |  |
| Frequency (MHz) |            |         |           |                           |                              |                            |               |          |  |  |
| 3               | QPSK       | 1       | 0         | 16.46                     | 16.53                        | 16.41                      |               |          |  |  |
| 3               | QPSK       | 1       | 8         | 16.42                     | 16.51                        | 16.49                      | 17.6          | 0        |  |  |
| 3               | QPSK       | 1       | 14        | 16.43                     | 16.46                        | 16.45                      |               |          |  |  |
| 3               | QPSK       | 8       | 0         | 16.47                     | 16.58                        | 16.45                      |               |          |  |  |
| 3               | QPSK       | 8       | 4         | 16.46                     | 16.55                        | 16.44                      | 17.6          | 0        |  |  |
| 3               | QPSK       | 8       | 7         | 16.44                     | 16.47                        | 16.46                      |               |          |  |  |
| 3               | 16QAM      | 1       | 0         | 16.54                     | 16.53                        | 16.41                      |               |          |  |  |
| 3               | 16QAM      | 1       | 0         | 16.51                     | 16.53                        | 16.41                      | 17.6          | 0        |  |  |
| 3               | 16QAM      | 1       | 8         | 16.52                     | 16.47                        | 16.54                      |               |          |  |  |
| 3               | 16QAM      | 1       | 14        | 16.42                     | 16.56                        | 16.49                      |               |          |  |  |
| 3               | 16QAM      | 8       | 0         | 16.49                     | 16.53                        | 16.51                      | 17.6          | 0        |  |  |
| 3               | 16QAM      | 8       | 4         | 16.41                     | 16.45                        | 16.49                      |               |          |  |  |
| 3               | 16QAM      | 15      | 0         | 16.52                     | 16.50                        | 16.41                      |               |          |  |  |
| 3               | 16QAM      | 15      | 0         | 16.51                     | 16.50                        | 16.54                      |               |          |  |  |
| 3               | 64QAM      | 1       | 0         | 16.47                     | 16.53                        | 16.47                      |               |          |  |  |
| 3               | 64QAM      | 1       | 8         | 16.48                     | 16.52                        | 16.49                      | 17.6          | 0        |  |  |
| 3               | 64QAM      | 1       | 14        | 16.52                     | 16.58                        | 16.47                      |               |          |  |  |
| 3               | 64QAM      | 8       | 0         | 16.41                     | 16.47                        | 16.44                      |               |          |  |  |
| 3               | 64QAM      | 8       | 4         | 16.48                     | 16.50                        | 16.53                      | 17.6          | 0        |  |  |
| 3               | 64QAM      | 8       | 7         | 16.54                     | 16.49                        | 16.42                      |               |          |  |  |
| 3               | 256QAM     | 1       | 0         | 16.48                     | 16.55                        | 16.54                      |               |          |  |  |
| 3               | 256QAM     | 1       | 8         | 16.55                     | 16.55                        | 16.48                      | 17.6          | 0        |  |  |
| 3               | 256QAM     | 1       | 14        | 16.45                     | 16.52                        | 16.44                      |               |          |  |  |
| 3               | 256QAM     | 8       | 0         | 16.54                     | 16.47                        | 16.43                      |               |          |  |  |

| Band 38 Ant 4   |            |         |           |                     |                        |                      |                     |          |  |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Middle Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 37850               | 38000                  | 38150                |                     |          |  |
| Frequency (MHz) |            |         |           | 2580                | 2595                   | 2610                 |                     |          |  |
| 20              | QPSK       | 1       | 0         | 16.74               | 16.80                  | 16.74                | 17.5                | 0        |  |
| 20              | QPSK       | 1       | 49        | 16.64               | 16.69                  | 16.63                |                     |          |  |
| 20              | QPSK       | 1       | 99        | 16.69               | 16.67                  | 16.65                |                     |          |  |
| 20              | QPSK       | 50      | 0         | 16.71               | 16.75                  | 16.64                |                     |          |  |
| 20              | QPSK       | 50      | 24        | 16.73               | 16.72                  | 16.63                | 17.5                | 0        |  |
| 20              | QPSK       | 50      | 50        | 16.66               | 16.66                  | 16.64                |                     |          |  |
| 20              | QPSK       | 100     | 0         | 16.63               | 16.74                  | 16.65                |                     |          |  |
| 20              | 16QAM      | 1       | 0         | 16.68               | 16.74                  | 16.61                |                     |          |  |
| 20              | 16QAM      | 1       | 49        | 16.74               | 16.77                  | 16.67                | 17.5                | 0        |  |
| 20              | 16QAM      | 1       | 99        | 16.63               | 16.67                  | 16.74                |                     |          |  |
| 20              | 16QAM      | 50      | 0         | 16.61               | 16.76                  | 16.67                |                     |          |  |
| 20              | 16QAM      | 50      | 24        | 16.69               | 16.69                  | 16.63                |                     |          |  |
| 20              | 16QAM      | 50      | 50        | 16.65               | 16.67                  | 16.71                | 17.5                | 0        |  |
| 20              | 16QAM      | 100     | 0         | 16.71               | 16.74                  | 16.61                |                     |          |  |
| 20              | 64QAM      | 1       | 0         | 16.65               | 16.74                  | 16.68                |                     |          |  |
| 20              | 64QAM      | 1       | 49        | 16.73               | 16.71                  | 16.72                |                     |          |  |
| 20              | 64QAM      | 1       | 99        | 16.68               | 16.65                  | 16.61                | 17.5                | 0        |  |
| 20              | 64QAM      | 50      | 0         | 16.68               | 16.71                  | 16.68                |                     |          |  |
| 20              | 64QAM      | 50      | 24        | 16.61               | 16.76                  | 16.66                |                     |          |  |
| 20              | 64QAM      | 50      | 50        | 16.62               | 16.66                  | 16.73                |                     |          |  |
| 20              | 64QAM      | 100     | 0         | 16.65               | 16.68                  | 16.63                | 17.5                | 0        |  |
| 20              | 256QAM     | 1       | 0         | 16.69               | 16.78                  | 16.71                |                     |          |  |
| 20              | 256QAM     | 1       | 49        | 16.68               | 16.69                  | 16.61                |                     |          |  |
| 20              | 256QAM     | 1       | 99        | 16.68               | 16.68                  | 16.68                |                     |          |  |
| 20              | 256QAM     | 50      | 0         | 16.71               | 16.69                  | 16.63                | 17.5                | 0        |  |
| 20              | 256QAM     | 50      | 24        | 16.67               | 16.78                  | 16.69                |                     |          |  |
| 20              | 256QAM     | 50      | 50        | 16.71               | 16.72                  | 16.62                |                     |          |  |
| 20              | 256QAM     | 100     | 0         | 16.64               | 16.77                  | 16.61                |                     |          |  |
| Channel         |            |         |           | 37825               | 38000                  | 38175                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2577.5              | 2595                   | 2612.5               |                     |          |  |
| 15              | QPSK       | 1       | 0         | 16.61               | 16.70                  | 16.71                | 17.5                | 0        |  |
| 15              | QPSK       | 1       | 37        | 16.67               | 16.69                  | 16.61                |                     |          |  |
| 15              | QPSK       | 1       | 74        | 16.62               | 16.73                  | 16.73                |                     |          |  |
| 15              | QPSK       | 36      | 0         | 16.68               | 16.75                  | 16.68                |                     |          |  |
| 15              | QPSK       | 36      | 20        | 16.72               | 16.76                  | 16.70                | 17.5                | 0        |  |
| 15              | QPSK       | 36      | 39        | 16.70               | 16.77                  | 16.63                |                     |          |  |
| 15              | QPSK       | 75      | 0         | 16.71               | 16.76                  | 16.61                |                     |          |  |
| 15              | 16QAM      | 1       | 0         | 16.69               | 16.71                  | 16.73                |                     |          |  |
| 15              | 16QAM      | 1       | 37        | 16.70               | 16.74                  | 16.68                | 17.5                | 0        |  |
| 15              | 16QAM      | 1       | 74        | 16.66               | 16.78                  | 16.60                |                     |          |  |
| 15              | 16QAM      | 36      | 0         | 16.71               | 16.66                  | 16.64                |                     |          |  |
| 15              | 16QAM      | 36      | 20        | 16.68               | 16.77                  | 16.73                |                     |          |  |
| 15              | 16QAM      | 36      | 39        | 16.60               | 16.67                  | 16.70                | 17.5                | 0        |  |
| 15              | 16QAM      | 75      | 0         | 16.64               | 16.75                  | 16.66                |                     |          |  |
| 15              | 64QAM      | 1       | 0         | 16.67               | 16.66                  | 16.62                |                     |          |  |
| 15              | 64QAM      | 1       | 37        | 16.74               | 16.69                  | 16.68                |                     |          |  |
| 15              | 64QAM      | 1       | 74        | 16.69               | 16.75                  | 16.67                | 17.5                | 0        |  |
| 15              | 64QAM      | 36      | 0         | 16.72               | 16.68                  | 16.70                |                     |          |  |
| 15              | 64QAM      | 36      | 20        | 16.73               | 16.73                  | 16.66                |                     |          |  |
| 15              | 64QAM      | 36      | 39        | 16.66               | 16.66                  | 16.60                |                     |          |  |
| 15              | 64QAM      | 75      | 0         | 16.69               | 16.65                  | 16.70                | 17.5                | 0        |  |
| 15              | 256QAM     | 1       | 0         | 16.64               | 16.75                  | 16.61                |                     |          |  |
| 15              | 256QAM     | 1       | 37        | 16.63               | 16.76                  | 16.70                |                     |          |  |
| 15              | 256QAM     | 1       | 74        | 16.73               | 16.77                  | 16.69                |                     |          |  |
| 15              | 256QAM     | 36      | 0         | 16.62               | 16.76                  | 16.74                | 17.5                | 0        |  |
| 15              | 256QAM     | 36      | 20        | 16.67               | 16.71                  | 16.66                |                     |          |  |
| 15              | 256QAM     | 36      | 39        | 16.74               | 16.77                  | 16.74                |                     |          |  |
| 15              | 256QAM     | 75      | 0         | 16.65               | 16.71                  | 16.63                |                     |          |  |
| Channel         |            |         |           | 37900               | 38000                  | 38200                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2575                | 2595                   | 2615                 |                     |          |  |
| 10              | QPSK       | 1       | 0         | 16.68               | 16.79                  | 16.69                | 17.5                | 0        |  |
| 10              | QPSK       | 1       | 25        | 16.64               | 16.72                  | 16.69                |                     |          |  |
| 10              | QPSK       | 1       | 49        | 16.68               | 16.69                  | 16.67                |                     |          |  |
| 10              | QPSK       | 25      | 0         | 16.69               | 16.73                  | 16.72                |                     |          |  |
| 10              | QPSK       | 25      | 12        | 16.61               | 16.73                  | 16.70                | 17.5                | 0        |  |
| 10              | QPSK       | 25      | 25        | 16.65               | 16.77                  | 16.73                |                     |          |  |
| 10              | QPSK       | 50      | 0         | 16.74               | 16.77                  | 16.65                |                     |          |  |
| 10              | 16QAM      | 1       | 0         | 16.66               | 16.76                  | 16.63                |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 16.67               | 16.79                  | 16.69                | 17.5                | 0        |  |
| 10              | 16QAM      | 1       | 49        | 16.69               | 16.65                  | 16.66                |                     |          |  |
| 10              | 16QAM      | 25      | 0         | 16.67               | 16.71                  | 16.68                |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 16.61               | 16.66                  | 16.64                |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 16.69               | 16.70                  | 16.70                | 17.5                | 0        |  |
| 10              | 16QAM      | 50      | 0         | 16.61               | 16.66                  | 16.60                |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 16.69               | 16.72                  | 16.62                |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 16.61               | 16.75                  | 16.71                |                     |          |  |
| 10              | 64QAM      | 1       | 49        | 16.68               | 16.73                  | 16.68                | 17.5                | 0        |  |
| 10              | 64QAM      | 25      | 0         | 16.71               | 16.77                  | 16.70                |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 16.72               | 16.65                  | 16.63                |                     |          |  |
| 10              | 64QAM      | 25      | 25        | 16.73               | 16.67                  | 16.67                |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 16.62               | 16.78                  | 16.72                | 17.5                | 0        |  |
| 10              | 256QAM     | 1       | 0         | 16.60               | 16.75                  | 16.73                |                     |          |  |
| 10              | 256QAM     | 1       | 25        | 16.69               | 16.67                  | 16.63                |                     |          |  |
| 10              | 256QAM     | 1       | 49        | 16.64               | 16.75                  | 16.62                |                     |          |  |
| 10              | 256QAM     | 25      | 0         | 16.70               | 16.72                  | 16.71                | 17.5                | 0        |  |
| 10              | 256QAM     | 25      | 12        | 16.61               | 16.77                  | 16.68                |                     |          |  |
| 10              | 256QAM     | 25      | 25        | 16.65               | 16.73                  | 16.64                |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 16.68               | 16.73                  | 16.64                |                     |          |  |
| Channel         |            |         |           | 37775               | 38000                  | 38225                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2572.5              | 2595                   | 2617.5               |                     |          |  |
| 5               | QPSK       | 1       | 0         | 16.73               | 16.77                  | 16.65                | 17.5                | 0        |  |
| 5               | QPSK       | 1       | 12        | 16.67               | 16.68                  | 16.62                |                     |          |  |
| 5               | QPSK       | 1       | 24        | 16.68               | 16.75                  | 16.70                |                     |          |  |
| 5               | QPSK       | 12      | 0         | 16.65               | 16.71                  | 16.69                |                     |          |  |
| 5               | QPSK       | 12      | 7         | 16.61               | 16.76                  | 16.67                | 17.5                | 0        |  |
| 5               | QPSK       | 12      | 13        | 16.71               | 16.76                  | 16.73                |                     |          |  |
| 5               | QPSK       | 25      | 0         | 16.61               | 16.74                  | 16.62                |                     |          |  |
| 5               | 16QAM      | 1       | 0         | 16.70               | 16.72                  | 16.70                |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 16.69               | 16.66                  | 16.71                | 17.5                | 0        |  |
| 5               | 16QAM      | 1       | 24        | 16.64               | 16.72                  | 16.71                |                     |          |  |
| 5               | 16QAM      | 12      | 0         | 16.68               | 16.76                  | 16.65                |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 16.72               | 16.67                  | 16.62                |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 16.72               | 16.76                  | 16.70                | 17.5                | 0        |  |
| 5               | 16QAM      | 25      | 0         | 16.62               | 16.72                  | 16.70                |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 16.72               | 16.70                  | 16.61                |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 16.67               | 16.76                  | 16.73                |                     |          |  |
| 5               | 64QAM      | 1       | 24        | 16.69               | 16.65                  | 16.66                | 17.5                | 0        |  |
| 5               | 64QAM      | 12      | 0         | 16.64               | 16.69                  | 16.71                |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 16.66               | 16.69                  | 16.64                |                     |          |  |
| 5               | 64QAM      | 12      | 13        | 16.73               | 16.73                  | 16.65                |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 16.60               | 16.71                  | 16.70                | 17.5                | 0        |  |
| 5               | 256QAM     | 1       | 0         | 16.63               | 16.65                  | 16.61                |                     |          |  |
| 5               | 256QAM     | 1       | 12        | 16.62               | 16.78                  | 16.71                |                     |          |  |
| 5               | 256QAM     | 1       | 24        | 16.61               | 16.75                  | 16.61                |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 16.64               | 16.77                  | 16.73                | 17.5                | 0        |  |
| 5               | 256QAM     | 12      | 7         | 16.68               | 16.65                  | 16.60                |                     |          |  |
| 5               | 256QAM     | 12      | 13        | 16.65               | 16.67                  | 16.61                |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 16.68               | 16.70                  | 16.66                |                     |          |  |

| Band 42 FCC Part27Q Ant 5 |            |         |           |                           |                              |                            |                        |             |  |
|---------------------------|------------|---------|-----------|---------------------------|------------------------------|----------------------------|------------------------|-------------|--|
| BW [MHz]                  | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch / Freq | Power<br>Middle<br>Ch / Freq | Power<br>High<br>Ch / Freq | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                   |            |         |           | 42190                     | 42590                        | 42990                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)           |            |         |           | 3460                      | 3500                         | 3540                       |                        |             |  |
| 20                        | QPSK       | 1       | 0         | 15.86                     | 15.92                        | 15.84                      | 16.7                   | 0           |  |
| 20                        | QPSK       | 1       | 49        | 15.87                     | 15.89                        | 15.80                      |                        |             |  |
| 20                        | QPSK       | 1       | 99        | 15.82                     | 15.89                        | 15.79                      |                        |             |  |
| 20                        | QPSK       | 50      | 0         | 15.75                     | 15.90                        | 15.82                      |                        |             |  |
| 20                        | QPSK       | 50      | 24        | 15.86                     | 15.89                        | 15.79                      | 16.7                   | 0           |  |
| 20                        | QPSK       | 50      | 50        | 15.89                     | 15.81                        | 15.76                      |                        |             |  |
| 20                        | QPSK       | 100     | 0         | 15.77                     | 15.89                        | 15.67                      |                        |             |  |
| 20                        | 16QAM      | 1       | 0         | 15.86                     | 15.80                        | 15.77                      |                        |             |  |
| 20                        | 16QAM      | 1       | 49        | 15.77                     | 15.82                        | 15.85                      | 16.7                   | 0           |  |
| 20                        | 16QAM      | 50      | 0         | 15.80                     | 15.91                        | 15.80                      |                        |             |  |
| 20                        | 16QAM      | 50      | 0         | 15.78                     | 15.90                        | 15.84                      |                        |             |  |
| 20                        | 16QAM      | 50      | 24        | 15.80                     | 15.81                        | 15.88                      |                        |             |  |
| 20                        | 16QAM      | 50      | 50        | 15.83                     | 15.89                        | 15.85                      | 16.7                   | 0           |  |
| 20                        | 16QAM      | 100     | 0         | 15.85                     | 15.85                        | 15.86                      |                        |             |  |
| 20                        | 64QAM      | 1       | 0         | 15.86                     | 15.83                        | 15.79                      |                        |             |  |
| 20                        | 64QAM      | 1       | 49        | 15.79                     | 15.79                        | 15.87                      | 16.7                   | 0           |  |
| 20                        | 64QAM      | 1       | 99        | 15.88                     | 15.89                        | 15.77                      |                        |             |  |
| 20                        | 64QAM      | 50      | 0         | 15.76                     | 15.88                        | 15.75                      |                        |             |  |
| 20                        | 64QAM      | 50      | 24        | 15.83                     | 15.80                        | 15.85                      |                        |             |  |
| 20                        | 64QAM      | 50      | 50        | 15.87                     | 15.90                        | 15.85                      | 16.7                   | 0           |  |
| 20                        | 64QAM      | 100     | 0         | 15.78                     | 15.90                        | 15.88                      |                        |             |  |
| 20                        | 256QAM     | 1       | 0         | 15.86                     | 15.83                        | 15.88                      |                        |             |  |
| 20                        | 256QAM     | 1       | 49        | 15.80                     | 15.80                        | 15.76                      | 16.7                   | 0           |  |
| 20                        | 256QAM     | 1       | 99        | 15.77                     | 15.82                        | 15.85                      |                        |             |  |
| 20                        | 256QAM     | 50      | 0         | 15.85                     | 15.85                        | 15.85                      |                        |             |  |
| 20                        | 256QAM     | 50      | 24        | 15.83                     | 15.82                        | 15.84                      |                        |             |  |
| 20                        | 256QAM     | 50      | 50        | 15.81                     | 15.85                        | 15.89                      | 16.7                   | 0           |  |
| 20                        | 256QAM     | 100     | 0         | 15.87                     | 15.79                        | 15.81                      |                        |             |  |
| Channel                   |            |         |           | 42165                     | 42590                        | 43015                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)           |            |         |           | 3452.5                    | 3500                         | 3542.5                     |                        |             |  |
| 15                        | QPSK       | 1       | 0         | 15.75                     | 15.83                        | 15.75                      | 16.7                   | 0           |  |
| 15                        | QPSK       | 1       | 37        | 15.78                     | 15.76                        | 15.83                      |                        |             |  |
| 15                        | QPSK       | 1       | 74        | 15.77                     | 15.83                        | 15.76                      |                        |             |  |
| 15                        | QPSK       | 36      | 0         | 15.77                     | 15.75                        | 15.83                      |                        |             |  |
| 15                        | QPSK       | 36      | 20        | 15.85                     | 15.79                        | 15.85                      | 16.7                   | 0           |  |
| 15                        | QPSK       | 36      | 39        | 15.83                     | 15.87                        | 15.73                      |                        |             |  |
| 15                        | QPSK       | 75      | 0         | 15.82                     | 15.81                        | 15.81                      |                        |             |  |
| 15                        | 16QAM      | 1       | 0         | 15.76                     | 15.75                        | 15.74                      |                        |             |  |
| 15                        | 16QAM      | 1       | 37        | 15.85                     | 15.82                        | 15.79                      | 16.7                   | 0           |  |
| 15                        | 16QAM      | 1       | 74        | 15.77                     | 15.76                        | 15.79                      |                        |             |  |
| 15                        | 16QAM      | 36      | 0         | 15.85                     | 15.80                        | 15.78                      |                        |             |  |
| 15                        | 16QAM      | 36      | 20        | 15.84                     | 15.87                        | 15.74                      |                        |             |  |
| 15                        | 16QAM      | 36      | 39        | 15.79                     | 15.79                        | 15.81                      | 16.7                   | 0           |  |
| 15                        | 16QAM      | 75      | 0         | 15.76                     | 15.81                        | 15.76                      |                        |             |  |
| 15                        | 64QAM      | 1       | 0         | 15.73                     | 15.80                        | 15.79                      |                        |             |  |
| 15                        | 64QAM      | 1       | 37        | 15.80                     | 15.77                        | 15.79                      |                        |             |  |
| 15                        | 64QAM      | 1       | 74        | 15.80                     | 15.81                        | 15.84                      | 16.7                   | 0           |  |
| 15                        | 64QAM      | 36      | 0         | 15.72                     | 15.86                        | 15.76                      |                        |             |  |
| 15                        | 64QAM      | 36      | 20        | 15.85                     | 15.86                        | 15.77                      |                        |             |  |
| 15                        | 64QAM      | 36      | 39        | 15.79                     | 15.75                        | 15.80                      |                        |             |  |
| 15                        | 64QAM      | 75      | 0         | 15.78                     | 15.87                        | 15.76                      | 16.7                   | 0           |  |
| 15                        | 256QAM     | 1       | 0         | 15.81                     | 15.85                        | 15.83                      |                        |             |  |
| 15                        | 256QAM     | 1       | 37        | 15.75                     | 15.84                        | 15.75                      |                        |             |  |
| 15                        | 256QAM     | 1       | 74        | 15.79                     | 15.79                        | 15.81                      |                        |             |  |
| 15                        | 256QAM     | 36      | 0         | 15.83                     | 15.85                        | 15.77                      | 16.7                   | 0           |  |
| 15                        | 256QAM     | 36      | 20        | 15.85                     | 15.79                        | 15.81                      |                        |             |  |
| 15                        | 256QAM     | 36      | 39        | 15.78                     | 15.77                        | 15.76                      |                        |             |  |
| 15                        | 256QAM     | 75      | 0         | 15.77                     | 15.77                        | 15.84                      |                        |             |  |
| Channel                   |            |         |           | 42140                     | 42590                        | 43040                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)           |            |         |           | 3455                      | 3500                         | 3545                       |                        |             |  |
| 10                        | QPSK       | 1       | 0         | 15.77                     | 15.81                        | 15.73                      | 16.7                   | 0           |  |
| 10                        | QPSK       | 1       | 25        | 15.85                     | 15.85                        | 15.80                      |                        |             |  |
| 10                        | QPSK       | 1       | 49        | 15.83                     | 15.84                        | 15.86                      |                        |             |  |
| 10                        | QPSK       | 25      | 0         | 15.85                     | 15.86                        | 15.78                      |                        |             |  |
| 10                        | QPSK       | 25      | 12        | 15.79                     | 15.87                        | 15.75                      | 16.7                   | 0           |  |
| 10                        | QPSK       | 25      | 25        | 15.77                     | 15.87                        | 15.81                      |                        |             |  |
| 10                        | QPSK       | 50      | 0         | 15.78                     | 15.83                        | 15.78                      |                        |             |  |
| 10                        | 16QAM      | 1       | 0         | 15.84                     | 15.75                        | 15.78                      |                        |             |  |
| 10                        | 16QAM      | 1       | 25        | 15.72                     | 15.76                        | 15.77                      | 16.7                   | 0           |  |
| 10                        | 16QAM      | 1       | 49        | 15.76                     | 15.86                        | 15.79                      |                        |             |  |
| 10                        | 16QAM      | 25      | 0         | 15.77                     | 15.85                        | 15.84                      |                        |             |  |
| 10                        | 16QAM      | 25      | 12        | 15.83                     | 15.85                        | 15.76                      |                        |             |  |
| 10                        | 16QAM      | 25      | 25        | 15.76                     | 15.80                        | 15.83                      | 16.7                   | 0           |  |
| 10                        | 16QAM      | 50      | 0         | 15.73                     | 15.85                        | 15.82                      |                        |             |  |
| 10                        | 64QAM      | 1       | 0         | 15.76                     | 15.77                        | 15.77                      |                        |             |  |
| 10                        | 64QAM      | 1       | 25        | 15.75                     | 15.77                        | 15.83                      |                        |             |  |
| 10                        | 64QAM      | 1       | 49        | 15.80                     | 15.77                        | 15.80                      | 16.7                   | 0           |  |
| 10                        | 64QAM      | 25      | 0         | 15.85                     | 15.88                        | 15.78                      |                        |             |  |
| 10                        | 64QAM      | 25      | 12        | 15.83                     | 15.75                        | 15.76                      |                        |             |  |
| 10                        | 64QAM      | 25      | 25        | 15.84                     | 15.85                        | 15.75                      |                        |             |  |
| 10                        | 64QAM      | 50      | 0         | 15.77                     | 15.76                        | 15.78                      | 16.7                   | 0           |  |
| 10                        | 256QAM     | 1       | 0         | 15.84                     | 15.77                        | 15.79                      |                        |             |  |
| 10                        | 256QAM     | 1       | 25        | 15.81                     | 15.86                        | 15.72                      |                        |             |  |
| 10                        | 256QAM     | 1       | 49        | 15.77                     | 15.80                        | 15.78                      |                        |             |  |
| 10                        | 256QAM     | 25      | 0         | 15.74                     | 15.75                        | 15.75                      | 16.7                   | 0           |  |
| 10                        | 256QAM     | 25      | 12        | 15.85                     | 15.87                        | 15.76                      |                        |             |  |
| 10                        | 256QAM     | 25      | 25        | 15.76                     | 15.82                        | 15.84                      |                        |             |  |
| 10                        | 256QAM     | 50      | 0         | 15.79                     | 15.85                        | 15.76                      |                        |             |  |
| Channel                   |            |         |           | 42115                     | 42590                        | 43065                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)           |            |         |           | 3452.5                    | 3500                         | 3547.5                     |                        |             |  |
| 5                         | QPSK       | 1       | 0         | 15.82                     | 15.80                        | 15.74                      | 16.7                   | 0           |  |
| 5                         | QPSK       | 1       | 12        | 15.73                     | 15.80                        | 15.74                      |                        |             |  |
| 5                         | QPSK       | 1       | 24        | 15.72                     | 15.80                        | 15.78                      |                        |             |  |
| 5                         | QPSK       | 12      | 0         | 15.73                     | 15.88                        | 15.74                      |                        |             |  |
| 5                         | QPSK       | 12      | 7         | 15.74                     | 15.79                        | 15.86                      | 16.7                   | 0           |  |
| 5                         | QPSK       | 12      | 13        | 15.83                     | 15.77                        | 15.79                      |                        |             |  |
| 5                         | QPSK       | 25      | 0         | 15.81                     | 15.87                        | 15.77                      |                        |             |  |
| 5                         | 16QAM      | 1       | 0         | 15.78                     | 15.75                        | 15.83                      |                        |             |  |
| 5                         | 16QAM      | 1       | 12        | 15.78                     | 15.80                        | 15.77                      | 16.7                   | 0           |  |
| 5                         | 16QAM      | 1       | 24        | 15.81                     | 15.77                        | 15.78                      |                        |             |  |
| 5                         | 16QAM      | 12      | 0         | 15.84                     | 15.79                        | 15.74                      |                        |             |  |
| 5                         | 16QAM      | 12      | 7         | 15.82                     | 15.85                        | 15.85                      |                        |             |  |
| 5                         | 16QAM      | 12      | 13        | 15.80                     | 15.84                        | 15.83                      | 16.7                   | 0           |  |
| 5                         | 16QAM      | 25      | 0         | 15.79                     | 15.76                        | 15.79                      |                        |             |  |
| 5                         | 64QAM      | 1       | 0         | 15.80                     | 15.84                        | 15.75                      |                        |             |  |
| 5                         | 64QAM      | 1       | 12        | 15.79                     | 15.83                        | 15.85                      |                        |             |  |
| 5                         | 64QAM      | 1       | 24        | 15.81                     | 15.83                        | 15.74                      | 16.7                   | 0           |  |
| 5                         | 64QAM      | 12      | 0         | 15.76                     | 15.86                        | 15.75                      |                        |             |  |
| 5                         | 64QAM      | 12      | 7         | 15.85                     | 15.86                        | 15.80                      |                        |             |  |
| 5                         | 64QAM      | 12      | 13        | 15.73                     | 15.86                        | 15.75                      |                        |             |  |
| 5                         | 64QAM      | 25      | 0         | 15.80                     | 15.87                        | 15.78                      | 16.7                   | 0           |  |
| 5                         | 256QAM     | 1       | 0         | 15.73                     | 15.86                        | 15.78                      |                        |             |  |
| 5                         | 256QAM     | 1       | 12        | 15.81                     | 15.87                        | 15.75                      |                        |             |  |
| 5                         | 256QAM     | 1       | 24        | 15.78                     | 15.81                        | 15.79                      |                        |             |  |
| 5                         | 256QAM     | 12      | 0         | 15.74                     | 15.74                        | 15.78                      | 16.7                   | 0           |  |
| 5                         | 256QAM     | 12      | 7         | 15.76                     | 15.86                        | 15.80                      |                        |             |  |
| 5                         | 256QAM     | 12      | 13        | 15.75                     | 15.86                        | 15.77                      |                        |             |  |
| 5                         | 256QAM     | 25      | 0         | 15.84                     | 15.79                        | 15.76                      |                        |             |  |

Full&amp;Default Power Mode Other PA

| Band 2 Ant 1            |            |         |           |                      |                       |                       |                   |          |  |  |
|-------------------------|------------|---------|-----------|----------------------|-----------------------|-----------------------|-------------------|----------|--|--|
| BW (MHz)                | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power High Ch / Freq. | Power High Ch / Freq. | Turn-up time (dB) | MPR (dB) |  |  |
| Channel Frequency (MHz) |            |         |           |                      |                       |                       |                   |          |  |  |
| 20                      | QPSK       | 1       | 0         | 22.82                | 22.70                 | 22.52                 | 24                | 0        |  |  |
| 20                      | QPSK       | 1       | 48        | 22.84                | 22.78                 | 22.64                 |                   |          |  |  |
| 20                      | QPSK       | 1       | 96        | 22.85                | 22.86                 | 22.86                 |                   |          |  |  |
| 20                      | QPSK       | 50      | 0         | 21.43                | 21.78                 | 21.51                 |                   |          |  |  |
| 20                      | QPSK       | 50      | 24        | 21.38                | 21.68                 | 21.41                 | 23                | 1        |  |  |
| 20                      | QPSK       | 50      | 50        | 21.44                | 21.75                 | 21.61                 |                   |          |  |  |
| 20                      | QPSK       | 100     | 0         | 21.57                | 21.72                 | 21.64                 |                   |          |  |  |
| 20                      | 16QAM      | 1       | 0         | 21.48                | 21.65                 | 21.75                 |                   |          |  |  |
| 20                      | 16QAM      | 1       | 48        | 21.58                | 21.55                 | 21.43                 | 23                | 1        |  |  |
| 20                      | 16QAM      | 1       | 96        | 21.63                | 21.57                 | 21.87                 |                   |          |  |  |
| 20                      | 16QAM      | 50      | 0         | 21.45                | 21.47                 | 21.44                 |                   |          |  |  |
| 20                      | 16QAM      | 50      | 24        | 21.48                | 21.62                 | 21.76                 |                   |          |  |  |
| 20                      | 16QAM      | 50      | 48        | 21.48                | 21.75                 | 21.56                 | 22                | 2        |  |  |
| 20                      | 16QAM      | 100     | 0         | 20.57                | 20.52                 | 20.48                 |                   |          |  |  |
| 20                      | 64QAM      | 1       | 0         | 20.44                | 20.61                 | 20.58                 |                   |          |  |  |
| 20                      | 64QAM      | 1       | 48        | 20.35                | 20.35                 | 20.59                 |                   |          |  |  |
| 20                      | 64QAM      | 1       | 96        | 20.59                | 20.44                 | 20.59                 | 22                | 2        |  |  |
| 20                      | 64QAM      | 50      | 0         | 19.58                | 19.80                 | 19.56                 |                   |          |  |  |
| 20                      | 64QAM      | 50      | 24        | 19.71                | 19.85                 | 19.81                 |                   |          |  |  |
| 20                      | 64QAM      | 50      | 50        | 19.64                | 19.68                 | 19.74                 |                   |          |  |  |
| 20                      | 64QAM      | 100     | 0         | 19.65                | 19.49                 | 19.49                 | 21                | 3        |  |  |
| 20                      | 256QAM     | 1       | 0         | 17.65                | 17.45                 | 17.55                 |                   |          |  |  |
| 20                      | 256QAM     | 1       | 48        | 17.65                | 17.42                 | 17.38                 |                   |          |  |  |
| 20                      | 256QAM     | 1       | 96        | 17.60                | 17.74                 | 17.54                 |                   |          |  |  |
| 20                      | 256QAM     | 50      | 0         | 17.68                | 17.61                 | 17.54                 | 19                | 5        |  |  |
| 20                      | 256QAM     | 50      | 24        | 17.62                | 17.67                 | 17.58                 |                   |          |  |  |
| 20                      | 256QAM     | 50      | 48        | 17.42                | 17.42                 | 17.42                 |                   |          |  |  |
| 20                      | 256QAM     | 100     | 0         | 17.61                | 17.42                 | 17.42                 |                   |          |  |  |
| Channel Frequency (MHz) |            |         |           |                      |                       |                       |                   |          |  |  |
| 15                      | QPSK       | 1       | 0         | 22.55                | 22.73                 | 22.44                 | 24                | 0        |  |  |
| 15                      | QPSK       | 1       | 37        | 22.49                | 22.69                 | 22.24                 |                   |          |  |  |
| 15                      | QPSK       | 1       | 74        | 22.37                | 22.62                 | 22.42                 |                   |          |  |  |
| 15                      | QPSK       | 36      | 0         | 21.35                | 21.68                 | 21.47                 |                   |          |  |  |
| 15                      | QPSK       | 36      | 20        | 21.32                | 21.70                 | 21.33                 | 23                | 1        |  |  |
| 15                      | QPSK       | 36      | 25        | 21.38                | 21.67                 | 21.48                 |                   |          |  |  |
| 15                      | QPSK       | 75      | 0         | 21.52                | 21.64                 | 21.63                 |                   |          |  |  |
| 15                      | 16QAM      | 1       | 0         | 21.29                | 21.64                 | 21.64                 |                   |          |  |  |
| 15                      | 16QAM      | 1       | 37        | 21.46                | 21.40                 | 21.34                 | 23                | 1        |  |  |
| 15                      | 16QAM      | 1       | 74        | 21.48                | 21.28                 | 21.59                 |                   |          |  |  |
| 15                      | 16QAM      | 36      | 0         | 21.25                | 21.23                 | 21.34                 |                   |          |  |  |
| 15                      | 16QAM      | 36      | 20        | 21.42                | 21.58                 | 21.72                 |                   |          |  |  |
| 15                      | 16QAM      | 36      | 39        | 21.48                | 21.62                 | 21.43                 | 22                | 2        |  |  |
| 15                      | 16QAM      | 75      | 0         | 20.45                | 20.45                 | 20.38                 |                   |          |  |  |
| 15                      | 64QAM      | 1       | 0         | 20.31                | 20.48                 | 20.42                 |                   |          |  |  |
| 15                      | 64QAM      | 1       | 37        | 20.38                | 20.26                 | 20.87                 |                   |          |  |  |
| 15                      | 64QAM      | 1       | 74        | 20.41                | 20.25                 | 20.59                 | 22                | 2        |  |  |
| 15                      | 64QAM      | 36      | 0         | 19.51                | 19.72                 | 19.54                 |                   |          |  |  |
| 15                      | 64QAM      | 36      | 20        | 19.68                | 19.62                 | 19.79                 |                   |          |  |  |
| 15                      | 64QAM      | 36      | 39        | 19.75                | 19.68                 | 19.67                 |                   |          |  |  |
| 15                      | 64QAM      | 75      | 0         | 19.56                | 19.58                 | 19.28                 | 19                | 5        |  |  |
| 15                      | 256QAM     | 1       | 0         | 17.44                | 17.38                 | 17.25                 |                   |          |  |  |
| 15                      | 256QAM     | 1       | 37        | 17.44                | 17.38                 | 17.25                 |                   |          |  |  |
| 15                      | 256QAM     | 1       | 74        | 17.41                | 17.74                 | 17.38                 |                   |          |  |  |
| 15                      | 256QAM     | 36      | 0         | 17.45                | 17.69                 | 17.53                 | 19                | 5        |  |  |
| 15                      | 256QAM     | 36      | 20        | 17.47                | 17.58                 | 17.53                 |                   |          |  |  |
| 15                      | 256QAM     | 36      | 39        | 17.42                | 17.52                 | 17.39                 |                   |          |  |  |
| 15                      | 256QAM     | 75      | 0         | 17.58                | 17.37                 | 17.23                 |                   |          |  |  |
| Channel Frequency (MHz) |            |         |           |                      |                       |                       |                   |          |  |  |
| 10                      | QPSK       | 1       | 0         | 22.47                | 22.74                 | 22.37                 | 24                | 0        |  |  |
| 10                      | QPSK       | 1       | 25        | 22.37                | 22.65                 | 22.34                 |                   |          |  |  |
| 10                      | QPSK       | 1       | 49        | 22.41                | 22.62                 | 22.34                 |                   |          |  |  |
| 10                      | QPSK       | 12      | 0         | 21.43                | 21.68                 | 21.49                 |                   |          |  |  |
| 10                      | QPSK       | 25      | 12        | 21.35                | 21.70                 | 21.36                 | 23                | 1        |  |  |
| 10                      | QPSK       | 25      | 25        | 21.46                | 21.77                 | 21.41                 |                   |          |  |  |
| 10                      | QPSK       | 50      | 25        | 21.43                | 21.52                 | 21.62                 |                   |          |  |  |
| 10                      | 16QAM      | 1       | 0         | 21.29                | 21.54                 | 21.62                 |                   |          |  |  |
| 10                      | 16QAM      | 1       | 0         | 21.60                | 21.62                 | 21.62                 | 23                | 1        |  |  |
| 10                      | 16QAM      | 1       | 49        | 21.46                | 21.37                 | 21.41                 |                   |          |  |  |
| 10                      | 16QAM      | 25      | 0         | 21.41                | 21.38                 | 21.45                 |                   |          |  |  |
| 10                      | 16QAM      | 25      | 0         | 21.38                | 21.48                 | 21.43                 |                   |          |  |  |
| 10                      | 16QAM      | 25      | 25        | 21.27                | 21.70                 | 21.39                 | 22                | 2        |  |  |
| 10                      | 16QAM      | 50      | 0         | 20.48                | 20.43                 | 20.30                 |                   |          |  |  |
| 10                      | 64QAM      | 1       | 0         | 20.27                | 20.43                 | 20.30                 |                   |          |  |  |
| 10                      | 64QAM      | 1       | 25        | 20.17                | 20.19                 | 20.58                 |                   |          |  |  |
| 10                      | 64QAM      | 1       | 49        | 20.61                | 20.26                 | 20.54                 | 21                | 3        |  |  |
| 10                      | 64QAM      | 25      | 0         | 19.44                | 19.74                 | 19.58                 |                   |          |  |  |
| 10                      | 64QAM      | 25      | 12        | 19.71                | 19.62                 | 19.82                 |                   |          |  |  |
| 10                      | 64QAM      | 25      | 25        | 19.69                | 19.62                 | 19.79                 |                   |          |  |  |
| 10                      | 64QAM      | 50      | 0         | 19.40                | 19.39                 | 19.29                 | 19                | 5        |  |  |
| 10                      | 256QAM     | 1       | 0         | 17.47                | 17.25                 | 17.38                 |                   |          |  |  |
| 10                      | 256QAM     | 1       | 25        | 17.46                | 17.44                 | 17.36                 |                   |          |  |  |
| 10                      | 256QAM     | 1       | 49        | 17.52                | 17.55                 | 17.46                 |                   |          |  |  |
| 10                      | 256QAM     | 25      | 0         | 17.61                | 17.61                 | 17.44                 | 19                | 5        |  |  |
| 10                      | 256QAM     | 25      | 0         | 17.57                | 17.54                 | 17.57                 |                   |          |  |  |
| 10                      | 256QAM     | 25      | 12        | 17.47                | 17.54                 | 17.47                 |                   |          |  |  |
| 10                      | 256QAM     | 25      | 25        | 17.34                | 17.51                 | 17.43                 |                   |          |  |  |
| 10                      | 256QAM     | 50      | 0         | 17.54                | 17.50                 | 17.32                 |                   |          |  |  |
| Channel Frequency (MHz) |            |         |           |                      |                       |                       |                   |          |  |  |
| 5                       | QPSK       | 1       | 0         | 22.57                | 22.62                 | 22.43                 | 24                | 0        |  |  |
| 5                       | QPSK       | 1       | 12        | 22.54                | 22.57                 | 22.38                 |                   |          |  |  |
| 5                       | QPSK       | 1       | 24        | 22.36                | 22.63                 | 22.35                 |                   |          |  |  |
| 5                       | QPSK       | 12      | 0         | 21.28                | 21.57                 | 21.41                 |                   |          |  |  |
| 5                       | QPSK       | 12      | 12        | 21.37                | 21.65                 | 21.25                 | 23                | 1        |  |  |
| 5                       | QPSK       | 12      | 13        | 21.46                | 21.63                 | 21.48                 |                   |          |  |  |
| 5                       | QPSK       | 25      | 0         | 21.43                | 21.54                 | 21.52                 |                   |          |  |  |
| 5                       | QPSK       | 15      | 0         | 21.33                | 21.55                 | 21.72                 |                   |          |  |  |
| 5                       | 16QAM      | 1       | 12        | 21.56                | 21.47                 | 21.26                 | 23                | 1        |  |  |
| 5                       | 16QAM      | 1       | 0         | 21.46                | 21.34                 | 21.47                 |                   |          |  |  |
| 5                       | 16QAM      | 12      | 0         | 21.45                | 21.29                 | 21.42                 |                   |          |  |  |
| 5                       | 16QAM      | 12      | 7         | 21.48                | 21.45                 | 21.62                 |                   |          |  |  |
| 5                       | 16QAM      | 12      | 13        | 21.29                | 21.75                 | 21.14                 | 22                | 2        |  |  |
| 5                       | 16QAM      | 25      | 0         | 20.40                | 20.58                 | 20.41                 |                   |          |  |  |
| 5                       | 64QAM      | 1       | 0         | 20.23                | 20.29                 | 20.56                 |                   |          |  |  |
| 5                       | 64QAM      | 1       | 39        | 20.24                | 20.14                 | 20.84                 |                   |          |  |  |
| 5                       | 64QAM      | 1       | 24        | 20.55                | 20.28                 | 20.38                 | 22                | 2        |  |  |
| 5                       | 64QAM      | 12      | 0         | 19.67                | 19.67                 | 19.51                 |                   |          |  |  |
| 5                       | 64QAM      | 12      | 13        | 19.69                | 19.60                 | 19.83                 |                   |          |  |  |
| 5                       | 64QAM      | 12      | 13        | 19.69                | 19.60                 | 19.73                 |                   |          |  |  |
| 5                       | 64QAM      | 25      | 0         | 19.56                | 19.47                 | 19.28                 | 21                | 3        |  |  |
| 5                       | 256QAM     | 1       | 0         | 17.44                | 17.30                 | 17.53                 |                   |          |  |  |
| 5                       | 256QAM     | 1       | 12        | 17.43                | 17.38                 | 17.17                 |                   |          |  |  |
| 5                       | 256QAM     | 1       | 24        | 17.52                | 17.67                 | 17.50                 |                   |          |  |  |
| 5                       | 256QAM     | 12      | 0         | 17.68                | 17.46                 | 17.43                 | 19                | 5        |  |  |
| 5                       | 256QAM     | 12      | 7         | 17.63                | 17.66                 | 17.58                 |                   |          |  |  |
| 5                       | 256QAM     | 12      | 13        | 17.35                | 17.47                 | 17.48                 |                   |          |  |  |
| 5                       | 256QAM     | 25      | 0         | 17.51                | 17.42                 | 17.29                 |                   |          |  |  |
|                         |            |         |           | 17.52                | 17.42                 | 17.29                 |                   |          |  |  |
| Channel Frequency (MHz) |            |         |           |                      |                       |                       |                   |          |  |  |
| 15                      | QPSK       | 1       | 0         | 18.53                | 18.60                 | 18.58                 | 24                | 0        |  |  |
| 15                      | QPSK       | 1       | 0         | 22.85                | 22.75                 | 22.32                 |                   |          |  |  |
| 15                      | QPSK       | 1       | 24        | 22.84                | 22.69                 | 22.44                 |                   |          |  |  |
| 15                      | QPSK       | 12      | 0         | 22.31                | 22.65                 | 22.44                 |                   |          |  |  |
| 15                      | QPSK       | 8       | 0         | 21.27                | 21.66                 | 21.46                 | 23                | 1        |  |  |
| 15                      | QPSK       | 8       | 24        | 21.26                | 21.63                 | 21.43                 |                   |          |  |  |
| 15                      | QPSK       | 8       | 7         | 21.38                | 21.71                 | 21.58                 |                   |          |  |  |
| 15                      | QPSK       | 8       | 24        | 21.42                | 21.72                 | 21.58                 |                   |          |  |  |
| 15                      | 16QAM      | 1       | 0         | 21.42                | 21.53                 | 21.70                 | 23                | 1        |  |  |
| 15                      | 16QAM      | 1       | 8         | 21.38                | 21.74                 | 21.35                 |                   |          |  |  |
| 15                      | 16QAM      | 1       | 24        | 21.57                | 21.35                 | 21.45                 |                   |          |  |  |
| 15                      | 16QAM      | 1       | 20        | 21.33                | 21.30                 | 21.41                 |                   |          |  |  |
| 15                      | 16QAM      | 8       | 0         | 21.45                | 21.58                 | 21.29                 | 22                | 2        |  |  |
| 15                      | 16QAM      | 8       | 24        | 21.45                | 21.62                 | 21.58                 |                   |          |  |  |
| 15                      | 16QAM      | 15      | 0         | 20.44                | 20.58                 | 21.49                 |                   |          |  |  |
| 15                      | 64QAM      | 1       | 0         | 20.38                | 20.39                 | 20.49                 |                   |          |  |  |
| 15                      | 64QAM      | 1       | 20        | 20.35                | 20.37                 | 20.49                 | 22                | 2        |  |  |
| 15                      | 64QAM      | 1       | 24        | 20.44                | 20.25                 | 20.69                 |                   |          |  |  |
| 15                      | 64QAM      | 8       | 0         | 19.62                | 19.55                 | 19.83                 |                   |          |  |  |
| 15                      | 64QAM      | 8       | 7         | 19.68                | 19.69                 | 19.67                 |                   |          |  |  |
| 15                      | 64QAM      | 8       | 24        | 19.62                | 19.36                 | 19.41                 | 21                | 3        |  |  |
| 15                      | 256QAM     | 1       | 0         | 17.62                | 17.43                 | 17.36                 |                   |          |  |  |
| 15                      | 256QAM     | 1       | 8         | 17.41                | 17.38                 | 17.47                 |                   |          |  |  |
| 15                      | 256QAM     | 1       | 24        | 17.42                | 17.61                 | 17.42                 |                   |          |  |  |
| 15                      | 256QAM     | 8       | 0         | 17.52                | 17.60                 | 17.52                 | 19                | 5        |  |  |
| 15                      | 256QAM     | 8       | 4         | 17.51                | 17.51                 | 17.37                 |                   |          |  |  |
| 15                      | 256QAM     | 8       | 21        | 17.21                | 17.38                 | 17.53                 |                   |          |  |  |
| 15                      | 256QAM     | 15      | 0         | 17.53                | 17.22                 | 17.36                 |                   |          |  |  |
| Channel Frequency (MHz) |            |         |           |                      |                       |                       |                   |          |  |  |
| 1.4                     | QPSK       | 1       | 0         | 22.60                | 22.28                 | 22.21                 | 24                | 0        |  |  |
| 1.4                     | QPSK       | 1       | 3         | 22.46                | 22.52                 | 22.22                 |                   |          |  |  |
| 1.4                     | QPSK       | 1       | 23        | 22.35                | 22.64                 | 22.24                 |                   |          |  |  |
| 1.4                     | QPSK       | 3       | 0         | 22.54                | 22.72                 | 22.40                 |                   |          |  |  |
| 1.4                     | QPSK       | 3       | 1         | 22.46                | 22.80                 | 22.42                 | 23                | 1        |  |  |
| 1.4                     | QPSK       | 3       | 2         | 22.51                | 22.64                 | 22.41                 |                   |          |  |  |
| 1.4                     | QPSK       | 6       | 0         | 21.37                | 21.56                 | 21.29                 |                   |          |  |  |
| 1.4                     | QPSK       | 6       | 1         | 21.27                | 21.64                 | 21.23                 |                   |          |  |  |
| 1.4                     | 16QAM      | 1       | 0         | 21.23                | 21.18                 | 21.44                 | 23                | 1        |  |  |
| 1.4                     | 16QAM      | 1       | 5         | 21.38                | 21.70                 | 21.49                 |                   |          |  |  |
| 1.4                     | 16QAM      | 1       | 23        | 21.44                | 21.29                 | 21.49                 |                   |          |  |  |
| 1.4                     | 16QAM      | 1       | 1         | 21.29                | 21.52                 | 21.50                 |                   |          |  |  |
| 1.4                     | 16QAM      | 3       | 0         | 21.69                | 21.73                 | 21.54                 | 22                | 2        |  |  |
| 1.4                     | 16QAM      | 3       | 20        | 20.81                | 20.43                 | 20.57                 |                   |          |  |  |
| 1.4                     | 64QAM      | 1       | 0         | 20.50                | 20.49                 | 20.49                 |                   |          |  |  |
| 1.4                     | 64QAM      | 1       | 3         | 20.51                | 20.40                 | 20.79                 |                   |          |  |  |
| 1.4                     | 64QAM      | 1       | 20        | 20.47                | 20.47                 | 20.47                 | 22                | 2        |  |  |
| 1.4                     | 64QAM      | 1       | 30        | 20.60                | 20.85                 | 20.54                 |                   |          |  |  |
| 1.4                     | 64QAM      | 3       | 0         | 20.42                | 20.42                 | 20.48                 |                   |          |  |  |
| 1.4                     | 64QAM      | 3       | 20        | 20.44                | 20.34                 | 20.46                 |                   |          |  |  |
| 1.4                     | 64QAM      | 6       | 0         | 19.54                | 19.59                 | 19.70                 | 21                | 3        |  |  |
| 1.4                     | 256QAM     | 1       | 0         | 17.64                | 17.44                 | 17.70                 |                   |          |  |  |
| 1.4                     | 256QAM     | 1       | 5         | 17.56                | 17.56                 | 17.65                 |                   |          |  |  |
| 1.4                     | 256QAM     | 1       | 23        | 17.59                | 17.66                 | 17.69                 |                   |          |  |  |
| 1.4                     | 256QAM     | 3       | 0         | 17.57                | 17.57                 | 17.50                 | 19                | 5        |  |  |
| 1.4                     | 256QAM     | 3       | 1         | 17.54                | 17.53                 | 17.54                 |                   |          |  |  |
| 1.4                     | 256QAM     | 3       | 12        | 17.42                | 17.42                 | 17.42                 |                   |          |  |  |
| 1.4                     | 256QAM     | 3       | 17        | 17.37                | 17.37                 | 17.37                 |                   |          |  |  |

| Band 4 Ant 4         |            |         |           |                           |                              |                            |                       |             |    |   |  |  |  |  |
|----------------------|------------|---------|-----------|---------------------------|------------------------------|----------------------------|-----------------------|-------------|----|---|--|--|--|--|
| RF (MHz)             | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch./Freq. | Power<br>Middle<br>Ch./Freq. | Power<br>High<br>Ch./Freq. | Tuneup<br>freq. (MHz) | APR<br>(dB) |    |   |  |  |  |  |
| Channel              |            |         |           |                           |                              |                            |                       |             |    |   |  |  |  |  |
| 1720 1732.5 1745     |            |         |           |                           |                              |                            |                       |             |    |   |  |  |  |  |
| 20                   | QPSK       | 1       | 0         | 22.93                     | 23.05                        | 22.93                      | 24                    | 0           |    |   |  |  |  |  |
| 20                   | QPSK       | 1       | 49        | 22.79                     | 22.73                        | 22.87                      |                       |             |    |   |  |  |  |  |
| 20                   | QPSK       | 1       | 99        | 22.83                     | 22.81                        | 22.87                      |                       |             |    |   |  |  |  |  |
| 20                   | QPSK       | 50      | 0         | 21.63                     | 22.01                        | 21.78                      |                       |             |    |   |  |  |  |  |
| 20                   | QPSK       | 50      | 24        | 21.89                     | 21.66                        | 21.80                      |                       |             |    |   |  |  |  |  |
| 20                   | QPSK       | 50      | 50        | 21.50                     | 21.50                        | 21.50                      | 23                    | 1           |    |   |  |  |  |  |
| 20                   | QPSK       | 100     | 0         | 21.68                     | 21.66                        | 21.67                      |                       |             |    |   |  |  |  |  |
| 20                   | 16QAM      | 1       | 0         | 21.50                     | 21.74                        | 21.76                      |                       |             |    |   |  |  |  |  |
| 20                   | 16QAM      | 1       | 49        | 21.50                     | 21.67                        | 21.63                      |                       |             |    |   |  |  |  |  |
| 20                   | 16QAM      | 1       | 99        | 21.61                     | 21.69                        | 21.58                      |                       |             |    |   |  |  |  |  |
| 20                   | 16QAM      | 50      | 0         | 20.52                     | 20.70                        | 20.78                      | 22                    | 2           |    |   |  |  |  |  |
| 20                   | 16QAM      | 50      | 24        | 20.73                     | 20.76                        | 20.75                      |                       |             |    |   |  |  |  |  |
| 20                   | 16QAM      | 50      | 50        | 20.70                     | 20.78                        | 20.82                      |                       |             |    |   |  |  |  |  |
| 20                   | 16QAM      | 100     | 0         | 20.69                     | 20.69                        | 20.69                      |                       |             |    |   |  |  |  |  |
| 20                   | 16QAM      | 100     | 0         | 20.51                     | 20.42                        | 20.52                      |                       |             |    |   |  |  |  |  |
| 20                   | 8QAM       | 1       | 49        | 20.53                     | 20.51                        | 20.72                      | 22                    | 2           |    |   |  |  |  |  |
| 20                   | 8QAM       | 1       | 99        | 20.68                     | 20.42                        | 20.86                      |                       |             |    |   |  |  |  |  |
| 20                   | 8QAM       | 50      | 0         | 19.53                     | 19.72                        | 19.85                      |                       |             |    |   |  |  |  |  |
| 20                   | 8QAM       | 50      | 24        | 19.55                     | 19.86                        | 19.79                      |                       |             |    |   |  |  |  |  |
| 20                   | 8QAM       | 50      | 50        | 19.79                     | 19.72                        | 20.01                      |                       |             |    |   |  |  |  |  |
| 20                   | 8QAM       | 100     | 0         | 19.06                     | 19.87                        | 19.45                      | 21                    | 3           |    |   |  |  |  |  |
| 20                   | 25QAM      | 1       | 0         | 17.59                     | 17.56                        | 17.59                      |                       |             |    |   |  |  |  |  |
| 20                   | 25QAM      | 1       | 49        | 17.73                     | 17.56                        | 17.70                      |                       |             |    |   |  |  |  |  |
| 20                   | 25QAM      | 1       | 99        | 18.01                     | 17.66                        | 17.59                      |                       |             |    |   |  |  |  |  |
| 20                   | 25QAM      | 50      | 0         | 17.60                     | 17.54                        | 17.68                      |                       |             |    |   |  |  |  |  |
| 20                   | 25QAM      | 50      | 24        | 17.61                     | 17.62                        | 17.64                      | 19                    | 5           |    |   |  |  |  |  |
| 20                   | 25QAM      | 50      | 50        | 17.68                     | 17.43                        | 17.72                      |                       |             |    |   |  |  |  |  |
| 20                   | 25QAM      | 100     | 0         | 17.56                     | 17.77                        | 17.53                      |                       |             |    |   |  |  |  |  |
| Channel              |            |         |           |                           |                              |                            |                       |             |    |   |  |  |  |  |
| 20000 20175 20350    |            |         |           |                           |                              |                            |                       |             |    |   |  |  |  |  |
| 15                   | QPSK       | 1       | 0         | 17.17.5                   | 17.27.5                      | 17.47.5                    | Tuneup<br>freq. (MHz) | APR<br>(dB) |    |   |  |  |  |  |
| 15                   | QPSK       | 1       | 37        | 17.26                     | 17.27                        | 17.27                      |                       |             |    |   |  |  |  |  |
| 15                   | QPSK       | 1       | 74        | 22.81                     | 22.46                        | 22.87                      |                       |             |    |   |  |  |  |  |
| 15                   | QPSK       | 1       | 111       | 22.84                     | 22.84                        | 22.84                      |                       |             |    |   |  |  |  |  |
| 15                   | QPSK       | 36      | 0         | 21.81                     | 21.60                        | 21.64                      |                       |             |    |   |  |  |  |  |
| 15                   | QPSK       | 36      | 36        | 21.69                     | 21.79                        | 21.80                      | 23                    | 1           |    |   |  |  |  |  |
| 15                   | QPSK       | 75      | 0         | 21.67                     | 21.83                        | 21.44                      |                       |             |    |   |  |  |  |  |
| 15                   | 16QAM      | 1       | 0         | 21.35                     | 21.73                        | 21.73                      |                       |             |    |   |  |  |  |  |
| 15                   | 16QAM      | 1       | 37        | 21.43                     | 21.67                        | 21.55                      |                       |             |    |   |  |  |  |  |
| 15                   | 16QAM      | 1       | 74        | 21.60                     | 21.65                        | 21.43                      |                       |             |    |   |  |  |  |  |
| 15                   | 16QAM      | 36      | 0         | 20.44                     | 20.66                        | 20.65                      | 22                    | 2           |    |   |  |  |  |  |
| 15                   | 16QAM      | 36      | 20        | 20.73                     | 20.63                        | 20.63                      |                       |             |    |   |  |  |  |  |
| 15                   | 16QAM      | 36      | 36        | 20.63                     | 20.63                        | 20.63                      |                       |             |    |   |  |  |  |  |
| 15                   | 16QAM      | 75      | 0         | 20.53                     | 20.38                        | 20.63                      |                       |             |    |   |  |  |  |  |
| 15                   | 8QAM       | 1       | 0         | 20.75                     | 20.31                        | 20.42                      |                       |             |    |   |  |  |  |  |
| 15                   | 8QAM       | 1       | 37        | 20.53                     | 20.31                        | 20.42                      | 22                    | 2           |    |   |  |  |  |  |
| 15                   | 8QAM       | 1       | 74        | 20.54                     | 20.37                        | 20.61                      |                       |             |    |   |  |  |  |  |
| 15                   | 8QAM       | 36      | 0         | 19.48                     | 19.70                        | 19.42                      |                       |             |    |   |  |  |  |  |
| 15                   | 8QAM       | 36      | 20        | 19.44                     | 19.55                        | 19.44                      |                       |             |    |   |  |  |  |  |
| 15                   | 8QAM       | 36      | 36        | 19.63                     | 19.61                        | 19.60                      |                       |             |    |   |  |  |  |  |
| 15                   | 8QAM       | 75      | 0         | 19.58                     | 19.63                        | 19.58                      | 19                    | 5           |    |   |  |  |  |  |
| 15                   | 25QAM      | 1       | 0         | 17.75                     | 17.66                        | 17.66                      |                       |             |    |   |  |  |  |  |
| 15                   | 25QAM      | 1       | 37        | 17.69                     | 17.57                        | 17.63                      |                       |             |    |   |  |  |  |  |
| 15                   | 25QAM      | 1       | 74        | 18.01                     | 17.66                        | 17.74                      |                       |             |    |   |  |  |  |  |
| 15                   | 25QAM      | 36      | 0         | 17.41                     | 17.54                        | 17.68                      |                       |             |    |   |  |  |  |  |
| 15                   | 25QAM      | 36      | 20        | 17.66                     | 17.50                        | 17.73                      | 19                    | 5           |    |   |  |  |  |  |
| 15                   | 25QAM      | 36      | 36        | 17.66                     | 17.50                        | 17.73                      |                       |             |    |   |  |  |  |  |
| 15                   | 25QAM      | 75      | 0         | 17.38                     | 17.57                        | 17.40                      |                       |             |    |   |  |  |  |  |
| Channel              |            |         |           |                           |                              |                            |                       |             |    |   |  |  |  |  |
| 1717.5 1732.5 1747.5 |            |         |           |                           |                              |                            |                       |             |    |   |  |  |  |  |
| 10                   | QPSK       | 1       | 0         | 22.73                     | 22.68                        | 22.63                      | Tuneup<br>freq. (MHz) | APR<br>(dB) |    |   |  |  |  |  |
| 10                   | QPSK       | 1       | 25        | 22.70                     | 22.67                        | 22.69                      |                       |             |    |   |  |  |  |  |
| 10                   | QPSK       | 1       | 50        | 22.84                     | 22.84                        | 22.84                      |                       |             |    |   |  |  |  |  |
| 10                   | QPSK       | 25      | 0         | 21.57                     | 21.63                        | 21.55                      |                       |             |    |   |  |  |  |  |
| 10                   | QPSK       | 25      | 12        | 21.91                     | 21.69                        | 21.69                      |                       |             |    |   |  |  |  |  |
| 10                   | QPSK       | 25      | 25        | 21.63                     | 21.63                        | 21.63                      | 23                    | 1           |    |   |  |  |  |  |
| 10                   | QPSK       | 50      | 0         | 21.49                     | 21.72                        | 21.47                      |                       |             |    |   |  |  |  |  |
| 10                   | QPSK       | 50      | 1         | 21.55                     | 21.55                        | 21.73                      |                       |             |    |   |  |  |  |  |
| 10                   | 16QAM      | 1       | 0         | 21.00                     | 21.72                        | 21.47                      |                       |             |    |   |  |  |  |  |
| 10                   | 16QAM      | 1       | 49        | 21.49                     | 21.67                        | 21.40                      |                       |             |    |   |  |  |  |  |
| 10                   | 16QAM      | 25      | 0         | 20.40                     | 20.66                        | 20.60                      | 22                    | 2           |    |   |  |  |  |  |
| 10                   | 16QAM      | 25      | 12        | 20.74                     | 20.70                        | 20.69                      |                       |             |    |   |  |  |  |  |
| 10                   | 16QAM      | 25      | 25        | 20.67                     | 20.62                        | 20.55                      |                       |             |    |   |  |  |  |  |
| 10                   | 16QAM      | 50      | 0         | 20.61                     | 20.69                        | 20.70                      |                       |             |    |   |  |  |  |  |
| 10                   | 8QAM       | 1       | 0         | 20.81                     | 20.91                        | 20.76                      |                       |             |    |   |  |  |  |  |
| 10                   | 8QAM       | 1       | 25        | 21.04                     | 20.95                        | 20.92                      | 22                    | 2           |    |   |  |  |  |  |
| 10                   | 8QAM       | 1       | 49        | 20.93                     | 20.86                        | 20.83                      |                       |             |    |   |  |  |  |  |
| 10                   | 8QAM       | 25      | 0         | 19.52                     | 19.88                        | 19.84                      |                       |             |    |   |  |  |  |  |
| 10                   | 8QAM       | 25      | 12        | 19.77                     | 19.66                        | 19.63                      |                       |             |    |   |  |  |  |  |
| 10                   | 8QAM       | 25      | 25        | 19.80                     | 19.80                        | 19.80                      |                       |             |    |   |  |  |  |  |
| 10                   | 8QAM       | 50      | 0         | 19.46                     | 19.85                        | 19.81                      | 19                    | 5           |    |   |  |  |  |  |
| 10                   | 25QAM      | 1       | 0         | 17.46                     | 17.53                        | 17.41                      |                       |             |    |   |  |  |  |  |
| 10                   | 25QAM      | 1       | 25        | 17.57                     | 17.54                        | 17.58                      |                       |             |    |   |  |  |  |  |
| 10                   | 25QAM      | 1       | 49        | 17.80                     | 17.59                        | 17.59                      |                       |             |    |   |  |  |  |  |
| 10                   | 25QAM      | 25      | 0         | 17.47                     | 17.68                        | 17.67                      |                       |             |    |   |  |  |  |  |
| 10                   | 25QAM      | 25      | 12        | 17.47                     | 17.68                        | 17.67                      | 19                    | 5           |    |   |  |  |  |  |
| 10                   | 25QAM      | 25      | 25        | 17.56                     | 17.58                        | 17.57                      |                       |             |    |   |  |  |  |  |
| 10                   | 25QAM      | 50      | 0         | 17.54                     | 17.56                        | 17.51                      |                       |             |    |   |  |  |  |  |
| Channel              |            |         |           |                           |                              |                            |                       |             |    |   |  |  |  |  |
| 16975 16975 17025    |            |         |           |                           |                              |                            |                       |             |    |   |  |  |  |  |
| 5                    | QPSK       | 1       | 0         | 22.71                     | 22.66                        | 22.76                      | Tuneup<br>freq. (MHz) | APR<br>(dB) |    |   |  |  |  |  |
| 5                    | QPSK       | 1       | 12        | 22.76                     | 22.55                        | 22.71                      |                       |             |    |   |  |  |  |  |
| 5                    | QPSK       | 1       | 24        | 22.81                     | 22.56                        | 22.68                      |                       |             |    |   |  |  |  |  |
| 5                    | QPSK       | 12      | 0         | 21.46                     | 21.46                        | 21.46                      |                       |             |    |   |  |  |  |  |
| 5                    | QPSK       | 12      | 7         | 21.72                     | 21.61                        | 21.65                      |                       |             |    |   |  |  |  |  |
| 5                    | QPSK       | 12      | 13        | 21.76                     | 21.72                        | 21.67                      | 23                    | 1           |    |   |  |  |  |  |
| 5                    | QPSK       | 25      | 0         | 21.55                     | 21.53                        | 21.41                      |                       |             |    |   |  |  |  |  |
| 5                    | 16QAM      | 1       | 0         | 21.36                     | 21.61                        | 21.72                      |                       |             |    |   |  |  |  |  |
| 5                    | 16QAM      | 1       | 12        | 21.30                     | 21.65                        | 21.38                      |                       |             |    |   |  |  |  |  |
| 5                    | 16QAM      | 1       | 24        | 21.43                     | 21.59                        | 21.46                      |                       |             |    |   |  |  |  |  |
| 5                    | 16QAM      | 12      | 0         | 20.42                     | 20.73                        | 20.70                      | 22                    | 2           |    |   |  |  |  |  |
| 5                    | 16QAM      | 12      | 7         | 20.59                     | 20.60                        | 20.62                      |                       |             |    |   |  |  |  |  |
| 5                    | 16QAM      | 12      | 13        | 20.60                     | 20.58                        | 20.59                      |                       |             |    |   |  |  |  |  |
| 5                    | 16QAM      | 25      | 0         | 20.56                     | 20.59                        | 20.69                      |                       |             |    |   |  |  |  |  |
| 5                    | 8QAM       | 1       | 0         | 20.62                     | 20.66                        | 20.61                      |                       |             |    |   |  |  |  |  |
| 5                    | 8QAM       | 1       | 12        | 20.47                     | 20.46                        | 20.61                      | 22                    | 2           |    |   |  |  |  |  |
| 5                    | 8QAM       | 1       | 24        | 20.48                     | 20.27                        | 20.62                      |                       |             |    |   |  |  |  |  |
| 5                    | 8QAM       | 12      | 0         | 19.53                     | 19.66                        | 19.59                      |                       |             |    |   |  |  |  |  |
| 5                    | 8QAM       | 12      | 7         | 19.55                     | 19.67                        | 19.65                      |                       |             |    |   |  |  |  |  |
| 5                    | 8QAM       | 12      | 13        | 19.68                     | 19.57                        | 19.66                      |                       |             |    |   |  |  |  |  |
| 5                    | 8QAM       | 25      | 0         | 19.43                     | 19.77                        | 19.81                      | 19                    | 5           |    |   |  |  |  |  |
| 5                    | 25QAM      | 1       | 0         | 17.66                     | 17.66                        | 17.67                      |                       |             |    |   |  |  |  |  |
| 5                    | 25QAM      | 1       | 12        | 17.43                     | 17.58                        | 17.55                      |                       |             |    |   |  |  |  |  |
| 5                    | 25QAM      | 1       | 24        | 17.74                     | 17.62                        | 17.72                      | 19                    | 5           |    |   |  |  |  |  |
| 5                    | 25QAM      | 12      | 0         | 17.55                     | 17.53                        | 17.54                      |                       |             |    |   |  |  |  |  |
| 5                    | 25QAM      | 12      | 7         | 17.71                     | 17.47                        | 17.68                      |                       |             |    |   |  |  |  |  |
| 5                    | 25QAM      | 12      | 13        | 17.54                     | 17.26                        | 17.73                      |                       |             |    |   |  |  |  |  |
| 5                    | 25QAM      | 25      | 0         | 17.46                     | 17.79                        | 17.52                      |                       |             |    |   |  |  |  |  |
| 5                    | 25QAM      | 25      | 12        | 17.55                     | 17.52                        | 17.52                      | Tuneup<br>freq. (MHz) | APR<br>(dB) |    |   |  |  |  |  |
| Channel              |            |         |           |                           |                              |                            |                       |             |    |   |  |  |  |  |
| 1711.5 1732.5 1753.5 |            |         |           |                           |                              |                            |                       |             |    |   |  |  |  |  |
| 3                    | QPSK       | 1       | 0         | 22.89                     | 22.86                        | 22.87                      |                       |             | 24 | 0 |  |  |  |  |
| 3                    | QPSK       | 1       | 24        | 22.81                     | 22.56                        | 22.68                      |                       |             |    |   |  |  |  |  |
| 3                    | QPSK       | 1       | 48        | 22.84                     | 22.84                        | 22.84                      |                       |             |    |   |  |  |  |  |
| 3                    | QPSK       | 12      | 0         | 21.46                     | 21.46                        | 21.46                      |                       |             |    |   |  |  |  |  |
| 3                    | QPSK       | 12      | 7         | 21.72                     | 21.61                        | 21.65                      |                       |             |    |   |  |  |  |  |
| 3                    | QPSK       | 12      | 13        | 21.76                     | 21.72                        | 21.67                      | 23                    | 1           |    |   |  |  |  |  |
| 3                    | QPSK       | 25      | 0         | 21.55                     | 21.53                        | 21.41                      |                       |             |    |   |  |  |  |  |
| 3                    | 16QAM      | 1       | 0         | 21.36                     | 21.61                        | 21.72                      |                       |             |    |   |  |  |  |  |
| 3                    | 16QAM      | 1       | 12        | 21.30                     | 21.65                        | 21.38                      |                       |             |    |   |  |  |  |  |
| 3                    | 16QAM      | 1       | 24        | 21.43                     | 21.59                        | 21.46                      |                       |             |    |   |  |  |  |  |
| 3                    | 16QAM      | 12      | 0         | 20.42                     | 20.73                        | 20.70                      | 22                    | 2           |    |   |  |  |  |  |
| 3                    | 16QAM      | 12      | 7         | 20.59                     | 20.60                        | 20.62                      |                       |             |    |   |  |  |  |  |
| 3                    | 16QAM      | 12      | 13        | 20.60                     | 20.58                        | 20.59                      |                       |             |    |   |  |  |  |  |
| 3                    | 16QAM      | 25      | 0         | 20.56                     | 20.59                        | 20.69                      |                       |             |    |   |  |  |  |  |
| 3                    | 8QAM       | 1       | 0         | 20.62                     | 20.66                        | 20.61                      |                       |             |    |   |  |  |  |  |
| 3                    | 8QAM       | 1       | 12        | 20.47                     | 20.46                        | 20.61                      | 22                    | 2           |    |   |  |  |  |  |
| 3                    | 8QAM       | 1       | 24        | 20.48                     | 20.27                        | 20.62                      |                       |             |    |   |  |  |  |  |
| 3                    | 8QAM       | 12      | 0         | 19.53                     | 19.66                        | 19.59                      |                       |             |    |   |  |  |  |  |
| 3                    | 8QAM       | 12      | 7         | 19.55                     | 19.67                        | 19.65                      |                       |             |    |   |  |  |  |  |
| 3                    | 8QAM       | 12      | 13        | 19.68                     | 19.57                        | 19.66                      |                       |             |    |   |  |  |  |  |
| 3                    | 8QAM       | 25      | 0         | 19.43                     | 19.77                        | 19.81                      | 19                    | 5           |    |   |  |  |  |  |
| 3                    | 25QAM      | 1       | 0         | 17.66                     | 17.66                        | 17.67                      |                       |             |    |   |  |  |  |  |
| 3                    | 25QAM      | 1       | 12        | 17.43                     | 17.58                        | 17.55                      |                       |             |    |   |  |  |  |  |
| 3                    | 25QAM      | 1       | 24        | 17.74                     | 17.62                        | 17.72                      | 19                    | 5           |    |   |  |  |  |  |
| 3                    | 25QAM      | 12      | 0         | 17.55                     | 17.53                        | 17.54                      |                       |             |    |   |  |  |  |  |
| 3                    | 25QAM      | 12      | 7         | 17.71                     | 17.47                        | 17.68                      |                       |             |    |   |  |  |  |  |
| 3                    | 25QAM      | 12      | 13        | 17.54                     | 17.26                        | 17.73                      |                       |             |    |   |  |  |  |  |
| 3                    | 25QAM      | 25      | 0         | 17.46                     | 17.79                        | 17.52                      |                       |             |    |   |  |  |  |  |
| 3                    | 25QAM      | 25      | 12        | 17.55                     | 17.52                        | 17.52                      | Tuneup<br>freq. (MHz) | APR<br>(dB) |    |   |  |  |  |  |
| Channel              |            |         |           |                           |                              |                            |                       |             |    |   |  |  |  |  |
| 16967 16975 17033    |            |         |           |                           |                              |                            |                       |             |    |   |  |  |  |  |
| 1.4                  | QPSK       | 1       | 0         | 22.81                     | 23.01                        | 22.93                      |                       |             | 24 | 0 |  |  |  |  |
| 1.4                  | QPSK       | 1       | 3         | 22.97                     | 22.80                        | 22.55                      |                       |             |    |   |  |  |  |  |
| 1.4                  | QPSK       | 1       | 6         | 22.98                     | 22.88                        | 22.68                      |                       |             |    |   |  |  |  |  |
| 1.4                  | QPSK       | 3       | 0         | 22.84                     | 22.95                        | 22.68                      |                       |             |    |   |  |  |  |  |
| 1.4                  | QPSK       | 3       | 3         | 22.87                     | 22.87                        | 22.87                      |                       |             |    |   |  |  |  |  |
| 1.4                  | QPSK       | 6       | 0         | 21.74                     | 21.70                        | 21.60                      | 23                    | 1           |    |   |  |  |  |  |
| 1.4                  | QPSK       | 6       | 3         | 21.84                     | 21.69                        | 21.80                      |                       |             |    |   |  |  |  |  |
| 1.4                  | QPSK       | 6       | 6         | 21.87                     | 21.87                        | 21.87                      |                       |             |    |   |  |  |  |  |
| 1.4                  | 16QAM      | 1       | 0         | 21.52                     | 21.62                        | 21.69                      |                       |             |    |   |  |  |  |  |
| 1.4                  | 16QAM      | 1       | 3         | 21.57                     | 21.87                        | 21.61                      |                       |             |    |   |  |  |  |  |
| 1.4                  | 16QAM      | 3       | 0         | 21.74                     | 22.00                        | 21.74                      | 22                    | 2           |    |   |  |  |  |  |
| 1.4                  | 16QAM      | 3       | 3         | 21.76                     | 21.86                        | 21.82                      |                       |             |    |   |  |  |  |  |
| 1.4                  | 16QAM      | 6       | 0         | 20.93                     | 20.81                        | 20.72                      |                       |             |    |   |  |  |  |  |
| 1.4                  | 8QAM       | 1       | 0         | 20.63                     | 21.02                        | 20.84                      |                       |             |    |   |  |  |  |  |
| 1.4                  | 8QAM       | 1       | 3         | 20.68                     | 20.78                        | 20.83                      |                       |             |    |   |  |  |  |  |
| 1.4                  | 8QAM       | 3       | 0         | 20.96                     | 20.58                        | 20.58                      | 22                    | 2           |    |   |  |  |  |  |
| 1.4                  | 8QAM       | 3       | 3         | 20.80                     | 20.75                        | 20.84                      |                       |             |    |   |  |  |  |  |
| 1.4                  | 8QAM       | 6       | 0         | 20.89                     | 20.89                        | 20.89                      |                       |             |    |   |  |  |  |  |
| 1.4                  | 8QAM       | 6       | 3         | 20.59                     | 19.80                        | 19.83                      |                       |             |    |   |  |  |  |  |
| 1.4                  | 8QAM       | 6       | 6         | 18.10                     | 17.88                        | 17.91                      |                       |             |    |   |  |  |  |  |
| 1.4                  |            |         |           |                           |                              |                            |                       |             |    |   |  |  |  |  |

Reduced Power Mode for Other PA DSI 2

| Band 2 Ant 1    |            |         |           |                           |                            |                      |                       |                     |          |  |  |  |
|-----------------|------------|---------|-----------|---------------------------|----------------------------|----------------------|-----------------------|---------------------|----------|--|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. Freq. (MHz) | Power High Ch. Freq. (MHz) | Power Low Pwr. (dBm) | Power High Pwr. (dBm) | Tune-up limit (dBm) | MPR (dB) |  |  |  |
| Channel         |            |         |           |                           |                            |                      |                       |                     |          |  |  |  |
| Frequency (MHz) |            |         |           |                           |                            |                      |                       |                     |          |  |  |  |
| 20              | QPSK       | 1       | 0         | 22.62                     | 22.50                      | 22.52                |                       |                     |          |  |  |  |
| 20              | QPSK       | 1       | 49        | 22.54                     | 22.64                      | 22.42                |                       |                     |          |  |  |  |
| 20              | QPSK       | 1       | 99        | 22.52                     | 22.66                      | 22.56                |                       |                     |          |  |  |  |
| 20              | QPSK       | 50      | 0         | 21.43                     | 21.76                      | 21.51                |                       |                     |          |  |  |  |
| 20              | QPSK       | 50      | 24        | 21.39                     | 21.68                      | 21.41                |                       |                     |          |  |  |  |
| 20              | QPSK       | 50      | 49        | 21.44                     | 21.75                      | 21.43                |                       |                     |          |  |  |  |
| 20              | QPSK       | 100     | 0         | 21.57                     | 21.72                      | 21.64                |                       |                     |          |  |  |  |
| 20              | 16QAM      | 1       | 0         | 21.49                     | 21.65                      | 21.75                |                       |                     |          |  |  |  |
| 20              | 16QAM      | 1       | 49        | 21.52                     | 21.55                      | 21.43                |                       |                     |          |  |  |  |
| 20              | 16QAM      | 1       | 99        | 21.63                     | 21.37                      | 21.57                |                       |                     |          |  |  |  |
| 20              | 16QAM      | 50      | 0         | 21.45                     | 21.41                      | 21.44                |                       |                     |          |  |  |  |
| 20              | 16QAM      | 50      | 24        | 21.46                     | 21.62                      | 21.70                |                       |                     |          |  |  |  |
| 20              | 16QAM      | 50      | 49        | 21.48                     | 21.79                      | 21.58                |                       |                     |          |  |  |  |
| 20              | 16QAM      | 100     | 0         | 20.57                     | 20.60                      | 20.46                |                       |                     |          |  |  |  |
| 20              | 64QAM      | 50      | 24        | 20.57                     | 20.60                      | 20.46                |                       |                     |          |  |  |  |
| 20              | 64QAM      | 1       | 49        | 20.35                     | 20.35                      | 20.69                |                       |                     |          |  |  |  |
| 20              | 64QAM      | 50      | 0         | 19.58                     | 19.59                      | 19.58                |                       |                     |          |  |  |  |
| 20              | 64QAM      | 50      | 24        | 19.71                     | 19.65                      | 19.81                |                       |                     |          |  |  |  |
| 20              | 64QAM      | 50      | 49        | 19.54                     | 19.66                      | 19.74                |                       |                     |          |  |  |  |
| 20              | 64QAM      | 100     | 0         | 19.60                     | 19.45                      | 19.49                |                       |                     |          |  |  |  |
| 20              | 256QAM     | 1       | 0         | 17.85                     | 17.45                      | 17.55                |                       |                     |          |  |  |  |
| 20              | 256QAM     | 1       | 49        | 17.55                     | 17.48                      | 17.38                |                       |                     |          |  |  |  |
| 20              | 256QAM     | 1       | 99        | 17.60                     | 17.74                      | 17.84                |                       |                     |          |  |  |  |
| 20              | 256QAM     | 50      | 0         | 17.66                     | 17.63                      | 17.54                |                       |                     |          |  |  |  |
| 20              | 256QAM     | 50      | 24        | 17.42                     | 17.61                      | 17.58                |                       |                     |          |  |  |  |
| 20              | 256QAM     | 50      | 49        | 17.42                     | 17.42                      | 17.54                |                       |                     |          |  |  |  |
| 20              | 256QAM     | 100     | 0         | 17.41                     | 17.42                      | 17.42                |                       |                     |          |  |  |  |
| Channel         |            |         |           |                           |                            |                      |                       |                     |          |  |  |  |
| Frequency (MHz) |            |         |           |                           |                            |                      |                       |                     |          |  |  |  |
| 15              | QPSK       | 1       | 0         | 22.58                     | 22.73                      | 22.44                |                       |                     |          |  |  |  |
| 15              | QPSK       | 1       | 24        | 22.49                     | 22.69                      | 22.24                |                       |                     |          |  |  |  |
| 15              | QPSK       | 1       | 74        | 22.37                     | 22.52                      | 22.42                |                       |                     |          |  |  |  |
| 15              | QPSK       | 36      | 0         | 21.35                     | 21.76                      | 21.59                |                       |                     |          |  |  |  |
| 15              | QPSK       | 36      | 20        | 21.32                     | 21.75                      | 21.33                |                       |                     |          |  |  |  |
| 15              | QPSK       | 36      | 39        | 21.38                     | 21.67                      | 21.48                |                       |                     |          |  |  |  |
| 15              | QPSK       | 75      | 0         | 21.52                     | 21.73                      | 21.43                |                       |                     |          |  |  |  |
| 15              | 16QAM      | 1       | 0         | 21.29                     | 21.58                      | 21.57                |                       |                     |          |  |  |  |
| 15              | 16QAM      | 1       | 37        | 21.46                     | 21.40                      | 21.34                |                       |                     |          |  |  |  |
| 15              | 16QAM      | 1       | 74        | 21.48                     | 21.25                      | 21.53                |                       |                     |          |  |  |  |
| 15              | 16QAM      | 36      | 0         | 21.25                     | 21.20                      | 21.24                |                       |                     |          |  |  |  |
| 15              | 16QAM      | 36      | 20        | 21.42                     | 21.56                      | 21.72                |                       |                     |          |  |  |  |
| 15              | 16QAM      | 36      | 39        | 21.48                     | 21.62                      | 21.43                |                       |                     |          |  |  |  |
| 15              | 16QAM      | 75      | 0         | 20.48                     | 20.45                      | 20.36                |                       |                     |          |  |  |  |
| 15              | 64QAM      | 1       | 49        | 20.37                     | 20.44                      | 20.44                |                       |                     |          |  |  |  |
| 15              | 64QAM      | 1       | 37        | 20.35                     | 20.35                      | 20.57                |                       |                     |          |  |  |  |
| 15              | 64QAM      | 1       | 74        | 20.41                     | 20.23                      | 20.56                |                       |                     |          |  |  |  |
| 15              | 64QAM      | 36      | 0         | 19.55                     | 19.65                      | 19.65                |                       |                     |          |  |  |  |
| 15              | 64QAM      | 36      | 20        | 19.72                     | 19.59                      | 19.77                |                       |                     |          |  |  |  |
| 15              | 64QAM      | 36      | 39        | 19.67                     | 19.58                      | 19.79                |                       |                     |          |  |  |  |
| 15              | 64QAM      | 75      | 0         | 19.52                     | 19.35                      | 19.58                |                       |                     |          |  |  |  |
| 15              | 256QAM     | 1       | 0         | 17.64                     | 17.36                      | 17.41                |                       |                     |          |  |  |  |
| 15              | 256QAM     | 1       | 37        | 17.44                     | 17.38                      | 17.25                |                       |                     |          |  |  |  |
| 15              | 256QAM     | 1       | 74        | 17.41                     | 17.74                      | 17.58                |                       |                     |          |  |  |  |
| 15              | 256QAM     | 36      | 0         | 17.45                     | 17.59                      | 17.53                |                       |                     |          |  |  |  |
| 15              | 256QAM     | 36      | 20        | 17.47                     | 17.36                      | 17.53                |                       |                     |          |  |  |  |
| 15              | 256QAM     | 36      | 39        | 17.42                     | 17.52                      | 17.39                |                       |                     |          |  |  |  |
| 15              | 256QAM     | 75      | 0         | 17.58                     | 17.57                      | 17.23                |                       |                     |          |  |  |  |
| Channel         |            |         |           |                           |                            |                      |                       |                     |          |  |  |  |
| Frequency (MHz) |            |         |           |                           |                            |                      |                       |                     |          |  |  |  |
| 10              | QPSK       | 1       | 0         | 22.47                     | 22.74                      | 22.37                |                       |                     |          |  |  |  |
| 10              | QPSK       | 1       | 25        | 22.37                     | 22.65                      | 22.34                |                       |                     |          |  |  |  |
| 10              | QPSK       | 1       | 24        | 22.41                     | 22.61                      | 22.34                |                       |                     |          |  |  |  |
| 10              | QPSK       | 25      | 0         | 21.43                     | 21.59                      | 21.49                |                       |                     |          |  |  |  |
| 10              | QPSK       | 25      | 12        | 21.39                     | 21.73                      | 21.56                |                       |                     |          |  |  |  |
| 10              | QPSK       | 25      | 25        | 21.45                     | 21.77                      | 21.41                |                       |                     |          |  |  |  |
| 10              | QPSK       | 50      | 0         | 21.43                     | 21.62                      | 21.62                |                       |                     |          |  |  |  |
| 10              | 16QAM      | 1       | 0         | 21.29                     | 21.64                      | 21.62                |                       |                     |          |  |  |  |
| 10              | 16QAM      | 1       | 25        | 21.60                     | 21.59                      | 21.31                |                       |                     |          |  |  |  |
| 10              | 16QAM      | 1       | 49        | 21.49                     | 21.27                      | 21.41                |                       |                     |          |  |  |  |
| 10              | 16QAM      | 25      | 0         | 21.41                     | 21.36                      | 21.40                |                       |                     |          |  |  |  |
| 10              | 16QAM      | 25      | 12        | 21.38                     | 21.54                      | 21.63                |                       |                     |          |  |  |  |
| 10              | 16QAM      | 25      | 25        | 21.27                     | 21.70                      | 21.39                |                       |                     |          |  |  |  |
| 10              | 16QAM      | 50      | 0         | 20.48                     | 20.44                      | 20.30                |                       |                     |          |  |  |  |
| 10              | 64QAM      | 1       | 0         | 20.27                     | 20.43                      | 20.50                |                       |                     |          |  |  |  |
| 10              | 64QAM      | 1       | 25        | 20.17                     | 20.25                      | 20.54                |                       |                     |          |  |  |  |
| 10              | 64QAM      | 1       | 49        | 20.51                     | 20.35                      | 20.54                |                       |                     |          |  |  |  |
| 10              | 64QAM      | 25      | 0         | 19.58                     | 19.63                      | 19.63                |                       |                     |          |  |  |  |
| 10              | 64QAM      | 25      | 12        | 19.70                     | 19.55                      | 19.76                |                       |                     |          |  |  |  |
| 10              | 64QAM      | 25      | 25        | 19.64                     | 19.65                      | 19.56                |                       |                     |          |  |  |  |
| 10              | 64QAM      | 50      | 0         | 19.40                     | 19.39                      | 19.29                |                       |                     |          |  |  |  |
| 10              | 256QAM     | 1       | 0         | 17.47                     | 17.25                      | 17.38                |                       |                     |          |  |  |  |
| 10              | 256QAM     | 1       | 25        | 17.48                     | 17.40                      | 17.25                |                       |                     |          |  |  |  |
| 10              | 256QAM     | 1       | 49        | 17.55                     | 17.55                      | 17.46                |                       |                     |          |  |  |  |
| 10              | 256QAM     | 25      | 0         | 17.61                     | 17.55                      | 17.34                |                       |                     |          |  |  |  |
| 10              | 256QAM     | 25      | 12        | 17.57                     | 17.54                      | 17.57                |                       |                     |          |  |  |  |
| 10              | 256QAM     | 25      | 25        | 17.54                     | 17.54                      | 17.54                |                       |                     |          |  |  |  |
| 10              | 256QAM     | 50      | 0         | 17.54                     | 17.50                      | 17.52                |                       |                     |          |  |  |  |
| Channel         |            |         |           |                           |                            |                      |                       |                     |          |  |  |  |
| Frequency (MHz) |            |         |           |                           |                            |                      |                       |                     |          |  |  |  |
| 5               | QPSK       | 1       | 0         | 22.57                     | 22.82                      | 22.43                |                       |                     |          |  |  |  |
| 5               | QPSK       | 1       | 12        | 22.54                     | 22.51                      | 22.39                |                       |                     |          |  |  |  |
| 5               | QPSK       | 1       | 24        | 22.36                     | 22.60                      | 22.35                |                       |                     |          |  |  |  |
| 5               | QPSK       | 12      | 0         | 21.25                     | 21.57                      | 21.41                |                       |                     |          |  |  |  |
| 5               | QPSK       | 12      | 7         | 21.37                     | 21.63                      | 21.25                |                       |                     |          |  |  |  |
| 5               | QPSK       | 12      | 14        | 21.46                     | 21.63                      | 21.48                |                       |                     |          |  |  |  |
| 5               | QPSK       | 25      | 0         | 21.43                     | 21.54                      | 21.52                |                       |                     |          |  |  |  |
| 5               | 16QAM      | 1       | 0         | 21.33                     | 21.63                      | 21.72                |                       |                     |          |  |  |  |
| 5               | 16QAM      | 1       | 12        | 21.56                     | 21.47                      | 21.26                |                       |                     |          |  |  |  |
| 5               | 16QAM      | 1       | 24        | 21.46                     | 21.24                      | 21.47                |                       |                     |          |  |  |  |
| 5               | 16QAM      | 12      | 0         | 21.45                     | 21.28                      | 21.42                |                       |                     |          |  |  |  |
| 5               | 16QAM      | 12      | 7         | 21.48                     | 21.48                      | 21.52                |                       |                     |          |  |  |  |
| 5               | 16QAM      | 12      | 14        | 21.29                     | 21.75                      | 21.54                |                       |                     |          |  |  |  |
| 5               | 16QAM      | 25      | 0         | 20.48                     | 20.48                      | 20.36                |                       |                     |          |  |  |  |
| 5               | 16QAM      | 1       | 1         | 20.23                     | 20.39                      | 20.56                |                       |                     |          |  |  |  |
| 5               | 64QAM      | 1       | 12        | 20.24                     | 20.14                      | 20.54                |                       |                     |          |  |  |  |
| 5               | 64QAM      | 1       | 24        | 20.54                     | 20.29                      | 20.60                |                       |                     |          |  |  |  |
| 5               | 64QAM      | 12      | 0         | 19.65                     | 19.77                      | 19.58                |                       |                     |          |  |  |  |
| 5               | 64QAM      | 12      | 7         | 19.60                     | 19.61                      | 19.76                |                       |                     |          |  |  |  |
| 5               | 64QAM      | 12      | 14        | 19.64                     | 19.35                      | 19.66                |                       |                     |          |  |  |  |
| 5               | 64QAM      | 25      | 0         | 19.56                     | 19.47                      | 19.28                |                       |                     |          |  |  |  |
| 5               | 256QAM     | 1       | 0         | 17.44                     | 17.30                      | 17.53                |                       |                     |          |  |  |  |
| 5               | 256QAM     | 1       | 12        | 17.43                     | 17.36                      | 17.17                |                       |                     |          |  |  |  |
| 5               | 256QAM     | 1       | 24        | 17.52                     | 17.67                      | 17.50                |                       |                     |          |  |  |  |
| 5               | 256QAM     | 12      | 0         | 17.66                     | 17.45                      | 17.43                |                       |                     |          |  |  |  |
| 5               | 256QAM     | 12      | 7         | 17.63                     | 17.56                      | 17.59                |                       |                     |          |  |  |  |
| 5               | 256QAM     | 12      | 14        | 17.35                     | 17.41                      | 17.48                |                       |                     |          |  |  |  |
| 5               | 256QAM     | 25      | 0         | 17.51                     | 17.42                      | 17.25                |                       |                     |          |  |  |  |
| Channel         |            |         |           |                           |                            |                      |                       |                     |          |  |  |  |
| Frequency (MHz) |            |         |           |                           |                            |                      |                       |                     |          |  |  |  |
| 3               | QPSK       | 1       | 0         | 22.63                     | 22.75                      | 22.52                |                       |                     |          |  |  |  |
| 3               | QPSK       | 1       | 12        | 22.47                     | 22.65                      | 22.37                |                       |                     |          |  |  |  |
| 3               | QPSK       | 1       | 14        | 22.31                     | 22.66                      | 22.44                |                       |                     |          |  |  |  |
| 3               | QPSK       | 8       | 0         | 21.37                     | 21.68                      | 21.48                |                       |                     |          |  |  |  |
| 3               | QPSK       | 8       | 4         | 21.26                     | 21.63                      | 21.35                |                       |                     |          |  |  |  |
| 3               | QPSK       | 8       | 7         | 21.38                     | 21.71                      | 21.58                |                       |                     |          |  |  |  |
| 3               | QPSK       | 15      | 0         | 21.42                     | 21.71                      | 21.58                |                       |                     |          |  |  |  |
| 3               | 16QAM      | 1       | 0         | 21.42                     | 21.63                      | 21.76                |                       |                     |          |  |  |  |
| 3               | 16QAM      | 1       | 8         | 21.38                     | 21.34                      | 21.30                |                       |                     |          |  |  |  |
| 3               | 16QAM      | 1       | 14        | 21.67                     | 21.35                      | 21.47                |                       |                     |          |  |  |  |
| 3               | 16QAM      | 8       | 0         | 21.45                     | 21.68                      | 21.59                |                       |                     |          |  |  |  |
| 3               | 16QAM      | 8       | 4         | 21.43                     | 21.62                      | 21.37                |                       |                     |          |  |  |  |
| 3               | 16QAM      | 8       | 7         | 21.44                     | 21.78                      | 21.64                |                       |                     |          |  |  |  |
| 3               | 16QAM      | 15      | 0         | 20.44                     | 20.34                      | 20.57                |                       |                     |          |  |  |  |
| 3               | 64QAM      | 1       | 0         | 19.62                     | 19.43                      | 19.47                |                       |                     |          |  |  |  |
| 3               | 64QAM      | 8       | 7         | 19.74                     | 19.68                      | 19.76                |                       |                     |          |  |  |  |
| 3               | 64QAM      | 1       | 1         | 19.42                     | 19.36                      | 19.68                |                       |                     |          |  |  |  |
| 3               | 256QAM     | 1       | 0         | 17.62                     | 17.43                      | 17.51                |                       |                     |          |  |  |  |
| 3               | 256QAM     | 1       | 8         | 17.41                     | 17.38                      | 17.40                |                       |                     |          |  |  |  |
| 3               | 256QAM     | 1       | 14        | 17.42                     | 17.61                      | 17.54                |                       |                     |          |  |  |  |
| 3               | 256QAM     | 8       | 0         | 17.52                     | 17.60                      | 17.37                |                       |                     |          |  |  |  |
| 3               | 256QAM     | 8       | 4         | 17.61                     | 17.51                      | 17.53                |                       |                     |          |  |  |  |
| 3               | 256QAM     | 8       | 7         | 17.21                     | 17.29                      | 17.53                |                       |                     |          |  |  |  |
| 3               | 256QAM     | 15      | 0         | 17.53                     | 17.22                      | 17.36                |                       |                     |          |  |  |  |
| Channel         |            |         |           |                           |                            |                      |                       |                     |          |  |  |  |
| Frequency (MHz) |            |         |           |                           |                            |                      |                       |                     |          |  |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.60                     | 22.68                      | 22.52                |                       |                     |          |  |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.46                     | 22.52                      | 22.32                |                       |                     |          |  |  |  |
| 1.4             | QPSK       | 1       | 6         | 22.32                     | 22.64                      | 22.45                |                       |                     |          |  |  |  |
| 1.4             | QPSK       | 3       | 0         | 22.54                     | 22.72                      | 22.41                |                       |                     |          |  |  |  |
| 1.4             | QPSK       | 3       | 1         |                           |                            |                      |                       |                     |          |  |  |  |

| Band 4 Ant 4    |            |          |           |                                                                                             |                   |                                                                         |                   |          |  |  |
|-----------------|------------|----------|-----------|---------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------|-------------------|----------|--|--|
| SW (MHz)        | Modulation | PSB Size | RF Offset | Power (dBm)                                                                                 | Power (dBm)       | Power (dBm)                                                             | Turn-on time (dB) | MPR (dB) |  |  |
| Channel         |            |          |           | 20050                                                                                       | 20070             | 20090                                                                   |                   |          |  |  |
| Frequency (MHz) |            |          |           | 1717.5                                                                                      | 1772.5            | 1747.5                                                                  |                   |          |  |  |
| 20              | QPSK       | 1        | 0         | 18.40                                                                                       | 18.33             | 18.36                                                                   |                   |          |  |  |
| 20              | QPSK       | 1        | 49        | 18.40                                                                                       | 18.38             | 18.34                                                                   | 10.1              | 0        |  |  |
| 20              | QPSK       | 1        | 98        | 18.40                                                                                       | 18.44             | 18.40                                                                   |                   |          |  |  |
| 20              | QPSK       | 50       | 0         | 18.35                                                                                       | 18.31             |                                                                         |                   |          |  |  |
| 20              | QPSK       | 50       | 25        | 18.35                                                                                       | 18.40             | 18.42                                                                   | 10.1              | 0        |  |  |
| 20              | QPSK       | 50       | 50        | 18.35                                                                                       | 18.40             | 18.42                                                                   |                   |          |  |  |
| 20              | QPSK       | 100      | 0         | 18.45                                                                                       | 18.48             | 18.42                                                                   |                   |          |  |  |
| 20              | QPSK       | 100      | 25        | 18.45                                                                                       | 18.48             | 18.42                                                                   |                   |          |  |  |
| 20              | QPSK       | 1        | 49        | 18.41                                                                                       | 18.46             | 18.39                                                                   | 10.1              | 0        |  |  |
| 20              | QPSK       | 1        | 99        | 18.43                                                                                       | 18.41             | 18.40                                                                   |                   |          |  |  |
| 20              | QPSK       | 50       | 24        | 18.40                                                                                       | 18.40             | 18.34                                                                   |                   |          |  |  |
| 20              | QPSK       | 50       | 50        | 18.45                                                                                       | 18.39             | 18.44                                                                   | 10.1              | 0        |  |  |
| 20              | QPSK       | 100      | 24        | 18.40                                                                                       | 18.41             | 18.44                                                                   |                   |          |  |  |
| 20              | QPSK       | 1        | 0         | 18.45                                                                                       | 18.47             | 18.36                                                                   |                   |          |  |  |
| 20              | QPSK       | 1        | 49        | 18.35                                                                                       | 18.48             | 18.45                                                                   | 10.1              | 0        |  |  |
| 20              | QPSK       | 1        | 99        | 18.42                                                                                       | 18.41             | 18.40                                                                   |                   |          |  |  |
| 20              | QPSK       | 50       | 0         | 18.38                                                                                       | 18.37             | 18.40                                                                   |                   |          |  |  |
| 20              | QPSK       | 50       | 25        | 18.38                                                                                       | 18.37             | 18.41                                                                   | 10.1              | 0        |  |  |
| 20              | QPSK       | 100      | 0         | 18.43                                                                                       | 18.41             | 18.39                                                                   |                   |          |  |  |
| 20              | QPSK       | 100      | 25        | 18.43                                                                                       | 18.41             | 18.39                                                                   |                   |          |  |  |
| 20              | QPSK       | 1        | 49        | 17.73                                                                                       | 17.70             | 17.75                                                                   | 10.1              | 0        |  |  |
| 20              | QPSK       | 1        | 99        | 18.01                                                                                       | 17.66             | 17.69                                                                   |                   |          |  |  |
| 20              | QPSK       | 50       | 24        | 17.66                                                                                       | 17.66             | 17.69                                                                   |                   |          |  |  |
| 20              | QPSK       | 50       | 24        | 17.51                                                                                       | 17.62             | 17.64                                                                   |                   |          |  |  |
| 20              | QPSK       | 50       | 50        | 17.68                                                                                       | 17.43             | 17.72                                                                   | 10.1              | 0        |  |  |
| 20              | QPSK       | 100      | 24        | 17.72                                                                                       | 17.73             | 17.74                                                                   |                   |          |  |  |
| Channel         |            |          |           | 20050                                                                                       | 20070             | 20090                                                                   |                   |          |  |  |
| Frequency (MHz) |            |          |           | 1717.5                                                                                      | 1772.5            | 1747.5                                                                  |                   |          |  |  |
| 15              | QPSK       | 1        | 0         | 18.42                                                                                       | 18.33             | 18.36                                                                   |                   |          |  |  |
| 15              | QPSK       | 1        | 37        | 18.30                                                                                       | 18.30             | 18.32                                                                   | 10.1              | 0        |  |  |
| 15              | QPSK       | 1        | 74        | 18.30                                                                                       | 18.34             | 18.30                                                                   |                   |          |  |  |
| 15              | QPSK       | 1        | 111       | 18.33                                                                                       | 18.30             | 18.33                                                                   | 10.1              | 0        |  |  |
| 15              | QPSK       | 36       | 20        | 18.40                                                                                       | 18.34             | 18.36                                                                   |                   |          |  |  |
| 15              | QPSK       | 36       | 39        | 18.40                                                                                       | 18.37             | 18.33                                                                   | 10.1              | 0        |  |  |
| 15              | QPSK       | 36       | 58        | 18.34                                                                                       | 18.38             | 18.38                                                                   |                   |          |  |  |
| 15              | QPSK       | 36       | 77        | 18.34                                                                                       | 18.38             | 18.38                                                                   |                   |          |  |  |
| 15              | QPSK       | 1        | 0         | 18.28                                                                                       | 18.34             | 18.29                                                                   |                   |          |  |  |
| 15              | QPSK       | 1        | 37        | 18.30                                                                                       | 18.30             | 18.32                                                                   | 10.1              | 0        |  |  |
| 15              | QPSK       | 1        | 74        | 18.40                                                                                       | 18.35             | 18.34                                                                   |                   |          |  |  |
| 15              | QPSK       | 36       | 0         | 18.39                                                                                       | 18.43             | 18.35                                                                   |                   |          |  |  |
| 15              | QPSK       | 36       | 39        | 18.33                                                                                       | 18.33             | 18.34                                                                   | 10.1              | 0        |  |  |
| 15              | QPSK       | 36       | 58        | 18.32                                                                                       | 18.37             | 18.30                                                                   |                   |          |  |  |
| 15              | QPSK       | 75       | 0         | 18.38                                                                                       | 18.38             | 18.28                                                                   |                   |          |  |  |
| 15              | QPSK       | 75       | 37        | 18.40                                                                                       | 18.40             | 18.34                                                                   | 10.1              | 0        |  |  |
| 15              | QPSK       | 1        | 37        | 18.35                                                                                       | 18.43             | 18.30                                                                   |                   |          |  |  |
| 15              | QPSK       | 1        | 74        | 18.40                                                                                       | 18.41             | 18.29                                                                   | 10.1              | 0        |  |  |
| 15              | QPSK       | 36       | 20        | 18.40                                                                                       | 18.34             | 18.34                                                                   |                   |          |  |  |
| 15              | QPSK       | 36       | 39        | 18.41                                                                                       | 18.38             | 18.32                                                                   | 10.1              | 0        |  |  |
| 15              | QPSK       | 36       | 58        | 18.40                                                                                       | 18.39             | 18.34                                                                   |                   |          |  |  |
| 15              | QPSK       | 36       | 77        | 18.40                                                                                       | 18.39             | 18.34                                                                   |                   |          |  |  |
| 15              | QPSK       | 1        | 0         | 17.76                                                                                       | 17.66             | 17.56                                                                   |                   |          |  |  |
| 15              | QPSK       | 1        | 37        | 17.68                                                                                       | 17.57             | 17.63                                                                   |                   |          |  |  |
| 15              | QPSK       | 1        | 74        | 17.68                                                                                       | 17.61             | 17.63                                                                   | 10.1              | 0        |  |  |
| 15              | QPSK       | 36       | 0         | 17.41                                                                                       | 17.64             | 17.68                                                                   |                   |          |  |  |
| 15              | QPSK       | 36       | 39        | 17.66                                                                                       | 17.66             | 17.66                                                                   | 10.1              | 0        |  |  |
| 15              | QPSK       | 36       | 58        | 17.74                                                                                       | 17.64             | 17.64                                                                   |                   |          |  |  |
| 15              | QPSK       | 36       | 77        | 17.74                                                                                       | 17.64             | 17.64                                                                   |                   |          |  |  |
| 15              | QPSK       | 75       | 0         | 17.36                                                                                       | 17.65             | 17.69                                                                   |                   |          |  |  |
|                 |            |          |           | 1717.5                                                                                      | 1772.5            | 1747.5                                                                  | Turn-on time (dB) | MPR (dB) |  |  |
| Frequency (MHz) |            |          |           | 1715                                                                                        | 1732.5            | 1750                                                                    |                   |          |  |  |
| 10              | QPSK       | 1        | 0         | 18.37                                                                                       | 18.35             | 18.38                                                                   |                   |          |  |  |
| 10              | QPSK       | 1        | 49        | 18.40                                                                                       | 18.36             | 18.36                                                                   | 10.1              | 0        |  |  |
| 10              | QPSK       | 1        | 98        | 18.41                                                                                       | 18.35             | 18.42                                                                   |                   |          |  |  |
| 10              | QPSK       | 25       | 0         | 18.36                                                                                       | 18.40             | 18.36                                                                   |                   |          |  |  |
| 10              | QPSK       | 25       | 25        | 18.35                                                                                       | 18.38             | 18.33                                                                   | 10.1              | 0        |  |  |
| 10              | QPSK       | 50       | 0         | 18.34                                                                                       | 18.35             | 18.33                                                                   |                   |          |  |  |
| 10              | QPSK       | 50       | 25        | 18.45                                                                                       | 18.39             | 18.38                                                                   | 10.1              | 0        |  |  |
| 10              | QPSK       | 1        | 26        | 18.40                                                                                       | 18.38             | 18.31                                                                   |                   |          |  |  |
| 10              | QPSK       | 1        | 49        | 18.36                                                                                       | 18.36             | 18.37                                                                   | 10.1              | 0        |  |  |
| 10              | QPSK       | 1        | 74        | 18.40                                                                                       | 18.38             | 18.41                                                                   |                   |          |  |  |
| 10              | QPSK       | 25       | 12        | 18.31                                                                                       | 18.42             | 18.40                                                                   | 10.1              | 0        |  |  |
| 10              | QPSK       | 25       | 49        | 18.30                                                                                       | 18.38             | 18.37                                                                   |                   |          |  |  |
| 10              | QPSK       | 50       | 0         | 18.38                                                                                       | 18.40             | 18.39                                                                   |                   |          |  |  |
| 10              | QPSK       | 50       | 25        | 18.39                                                                                       | 18.44             | 18.39                                                                   | 10.1              | 0        |  |  |
| 10              | QPSK       | 1        | 0         | 18.30                                                                                       | 18.44             | 18.44                                                                   |                   |          |  |  |
| 10              | QPSK       | 1        | 49        | 18.33                                                                                       | 18.43             | 18.33                                                                   | 10.1              | 0        |  |  |
| 10              | QPSK       | 1        | 98        | 18.38                                                                                       | 18.42             | 18.34                                                                   |                   |          |  |  |
| 10              | QPSK       | 25       | 0         | 18.33                                                                                       | 18.42             | 18.34                                                                   | 10.1              | 0        |  |  |
| 10              | QPSK       | 25       | 25        | 18.33                                                                                       | 18.41             | 18.29                                                                   |                   |          |  |  |
| 10              | QPSK       | 25       | 26        | 18.29                                                                                       | 18.40             | 18.34                                                                   | 10.1              | 0        |  |  |
| 10              | QPSK       | 50       | 0         | 18.33                                                                                       | 18.39             | 18.36                                                                   |                   |          |  |  |
| 10              | QPSK       | 50       | 25        | 18.33                                                                                       | 18.39             | 18.33                                                                   | 10.1              | 0        |  |  |
| 10              | QPSK       | 1        | 26        | 18.37                                                                                       | 18.64             | 17.38                                                                   |                   |          |  |  |
| 10              | QPSK       | 1        | 49        | 17.80                                                                                       | 17.59             | 17.50                                                                   | 10.1              | 0        |  |  |
| 10              | QPSK       | 1        | 98        | 17.80                                                                                       | 17.60             | 17.60                                                                   |                   |          |  |  |
| 10              | QPSK       | 25       | 12        | 17.47                                                                                       | 17.68             | 17.67                                                                   |                   |          |  |  |
| 10              | QPSK       | 25       | 49        | 17.47                                                                                       | 17.68             | 17.67                                                                   | 10.1              | 0        |  |  |
| 10              | QPSK       | 50       | 0         | 17.54                                                                                       | 17.66             | 17.51                                                                   |                   |          |  |  |
|                 |            |          |           | 1800.5                                                                                      | 1807.5            | 1804.5 <th>Turn-on time (dB)</th> <th>MPR (dB)</th> <th></th> <th></th> | Turn-on time (dB) | MPR (dB) |  |  |
| Channel         |            |          |           | 1800.5                                                                                      | 1807.5            | 1804.5                                                                  |                   |          |  |  |
| Frequency (MHz) |            |          |           | 1711.5                                                                                      | 1720.5            | 1763.5                                                                  |                   |          |  |  |
| 5               | QPSK       | 1        | 0         | 18.41                                                                                       | 18.39             | 18.30                                                                   |                   |          |  |  |
| 5               | QPSK       | 1        | 12        | 18.37                                                                                       | 18.34             | 18.30                                                                   |                   |          |  |  |
| 5               | QPSK       | 1        | 24        | 18.37                                                                                       | 18.34             | 18.31                                                                   | 10.1              | 0        |  |  |
| 5               | QPSK       | 12       | 0         | 18.33                                                                                       | 18.31             | 18.31                                                                   |                   |          |  |  |
| 5               | QPSK       | 12       | 12        | 18.33                                                                                       | 18.31             | 18.31                                                                   | 10.1              | 0        |  |  |
| 5               | QPSK       | 12       | 7         | 18.39                                                                                       | 18.41             | 18.35                                                                   |                   |          |  |  |
| 5               | QPSK       | 12       | 19        | 18.40                                                                                       | 18.35             | 18.35                                                                   |                   |          |  |  |
| 5               | QPSK       | 25       | 0         | 18.42                                                                                       | 18.33             | 18.30                                                                   |                   |          |  |  |
| 5               | QPSK       | 1        | 0         | 18.38                                                                                       | 18.41             | 18.29                                                                   |                   |          |  |  |
| 5               | QPSK       | 1        | 12        | 18.40                                                                                       | 18.35             | 18.33                                                                   | 10.1              | 0        |  |  |
| 5               | QPSK       | 1        | 24        | 18.42                                                                                       | 18.36             | 18.33                                                                   |                   |          |  |  |
| 5               | QPSK       | 12       | 0         | 18.31                                                                                       | 18.33             | 18.33                                                                   |                   |          |  |  |
| 5               | QPSK       | 12       | 12        | 18.34                                                                                       | 18.34             | 18.34                                                                   | 10.1              | 0        |  |  |
| 5               | QPSK       | 12       | 19        | 18.31                                                                                       | 18.41             | 18.31                                                                   |                   |          |  |  |
| 5               | QPSK       | 25       | 0         | 18.32                                                                                       | 18.38             | 18.29                                                                   |                   |          |  |  |
| 5               | QPSK       | 25       | 12        | 18.39                                                                                       | 18.41             | 18.31                                                                   | 10.1              | 0        |  |  |
| 5               | QPSK       | 1        | 12        | 18.39                                                                                       | 18.36             | 18.36                                                                   |                   |          |  |  |
| 5               | QPSK       | 1        | 24        | 18.39                                                                                       | 18.36             | 18.36                                                                   |                   |          |  |  |
| 5               | QPSK       | 12       | 0         | 18.31                                                                                       | 18.35             | 18.30                                                                   |                   |          |  |  |
| 5               | QPSK       | 12       | 7         | 18.31                                                                                       | 18.40             | 18.40                                                                   | 10.1              | 0        |  |  |
| 5               | QPSK       | 25       | 0         | 18.29                                                                                       | 18.41             | 18.40                                                                   |                   |          |  |  |
| 5               | QPSK       | 25       | 0         | 17.96                                                                                       | 18.09             | 17.92                                                                   |                   |          |  |  |
| 5               | QPSK       | 1        | 12        | 17.47                                                                                       | 17.67             | 17.68                                                                   | 10.1              | 0        |  |  |
| 5               | QPSK       | 1        | 24        | 17.74                                                                                       | 17.82             | 17.82                                                                   |                   |          |  |  |
| 5               | QPSK       | 12       | 0         | 17.65                                                                                       | 17.73             | 17.74                                                                   |                   |          |  |  |
| 5               | QPSK       | 12       | 12        | 17.49                                                                                       | 17.47             | 17.49                                                                   | 10.1              | 0        |  |  |
| 5               | QPSK       | 12       | 19        | 17.64                                                                                       | 17.26             | 17.73                                                                   |                   |          |  |  |
|                 |            |          |           | 1746.5 <th>Turn-on time (dB)</th> <th>MPR (dB)</th> <th></th> <th></th> <th></th> <th></th> | Turn-on time (dB) | MPR (dB)                                                                |                   |          |  |  |
| Channel         |            |          |           | 1800.5                                                                                      | 1807.5            | 1804.5                                                                  |                   |          |  |  |
| Frequency (MHz) |            |          |           | 1711.5                                                                                      | 1720.5            | 1763.5                                                                  |                   |          |  |  |
| 3               | QPSK       | 1        | 0         | 18.30                                                                                       | 18.40             | 18.30                                                                   |                   |          |  |  |
| 3               | QPSK       | 1        | 14        | 18.32                                                                                       | 18.41             | 18.41                                                                   | 10.1              | 0        |  |  |
| 3               | QPSK       | 8        | 0         | 18.37                                                                                       | 18.41             | 18.42                                                                   |                   |          |  |  |
| 3               | QPSK       | 8        | 7         | 18.34                                                                                       | 18.42             | 18.42                                                                   | 10.1              | 0        |  |  |
| 3               | QPSK       | 8        | 7         | 18.36                                                                                       | 18.34             | 18.41                                                                   |                   |          |  |  |
| 3               | QPSK       | 15       | 0         | 18.37                                                                                       | 18.33             | 18.39                                                                   |                   |          |  |  |
| 3               | QPSK       | 8        | 0         | 18.37                                                                                       | 18.38             | 18.42                                                                   | 10.1              | 0        |  |  |
| 3               | QPSK       | 8        | 7         | 18.38                                                                                       | 18.43             | 18.37                                                                   |                   |          |  |  |
| 3               | QPSK       | 8        | 7         | 18.38                                                                                       | 18.43             | 18.37                                                                   |                   |          |  |  |
| 3               | QPSK       | 15       | 0         | 18.37                                                                                       | 18.38             | 18.38                                                                   | 10.1              | 0        |  |  |
| 3               | QPSK       | 15       | 0         | 18.36                                                                                       | 18.36             | 18.36                                                                   |                   |          |  |  |
| 3               | QPSK       | 1        | 0         | 18.33                                                                                       | 18.34             | 18.41                                                                   |                   |          |  |  |
| 3               | QPSK       | 1        | 14        | 18.33                                                                                       | 18.38             | 18.41                                                                   | 10.1              | 0        |  |  |
| 3               | QPSK       | 1        | 14        | 18.39                                                                                       | 18.40             | 18.30                                                                   |                   |          |  |  |
| 3               | QPSK       | 8        | 0         | 18.39                                                                                       | 18.42             | 18.29                                                                   |                   |          |  |  |
| 3               | QPSK       | 8        | 7         | 18.39                                                                                       | 18.42             | 18.29                                                                   | 10.1              | 0        |  |  |
| 3               | QPSK       | 15       | 0         | 17.43                                                                                       | 17.28             | 17.43                                                                   |                   |          |  |  |
| 3               | QPSK       | 1        | 0         | 17.64                                                                                       | 17.68             | 17.52                                                                   |                   |          |  |  |
| 3               | QPSK       | 1        | 14        | 17.82                                                                                       | 17.82             | 17.68                                                                   | 10.1              | 0        |  |  |
| 3               | QPSK       | 8        | 0         | 17.38                                                                                       | 17.41             | 17.71                                                                   |                   |          |  |  |
| 3               | QPSK       | 8        | 7         | 17.42                                                                                       | 17.37             | 17.73                                                                   | 10.1              | 0        |  |  |
| 3               | QPSK       | 15       | 0         | 17.45                                                                                       | 17.74             | 17.48                                                                   |                   |          |  |  |
| Channel         |            |          |           | 1806.5                                                                                      | 1807.5            | 1804.5                                                                  |                   |          |  |  |
| Frequency (MHz) |            |          |           | 1711.5                                                                                      | 1720.5            | 1763.5                                                                  |                   |          |  |  |
| 1.4             | QPSK       | 1        | 0         | 18.28                                                                                       | 18.37             | 18.29                                                                   |                   |          |  |  |
| 1.4             | QPSK       | 1        | 3         | 18.40                                                                                       | 18.36             | 18.40                                                                   | 10.1              | 0        |  |  |
| 1.4             | QPSK       | 1        | 12        | 18.43                                                                                       | 18.41             | 18.41                                                                   |                   |          |  |  |
| 1.4             | QPSK       | 3        | 0         | 18.41                                                                                       | 18.34             | 18.32                                                                   |                   |          |  |  |
| 1.4             | QPSK       | 3        | 1         | 18.39                                                                                       | 18.38             | 18.33                                                                   | 10.1              | 0        |  |  |
| 1.4             | QPSK       | 3        | 12        | 18.38                                                                                       | 18.44             | 18.30                                                                   |                   |          |  |  |
| 1.4             | QPSK       | 6        | 0         | 18.38                                                                                       | 18.38             | 18.40                                                                   | 10.1              | 0        |  |  |
| 1.4             | QPSK       | 1        | 0         | 18.31                                                                                       | 18.37             | 18.41                                                                   |                   |          |  |  |
| 1.4             | QPSK       | 1        | 3         | 18.37                                                                                       | 18.42             |                                                                         |                   |          |  |  |

| Band 7 Ant 4    |            |         |           |                      |                      |                      |                       |             |                       |             |
|-----------------|------------|---------|-----------|----------------------|----------------------|----------------------|-----------------------|-------------|-----------------------|-------------|
| RF Model        | Modulation | RE Size | RE Offset | Power<br>Ch. 1/Freq. | Power<br>Ch. 2/Freq. | Power<br>Ch. 3/Freq. | Turn-on<br>Time (dBm) | MPR<br>(dB) |                       |             |
| Channel         |            |         |           |                      |                      |                      |                       |             |                       |             |
| 20              | QPSK       | 1       | 0         | 16.87                | 16.82                | 16.72                |                       |             |                       |             |
| 20              | QPSK       | 1       | 49        | 16.71                | 16.73                | 16.75                | 17.4                  | 0           |                       |             |
| 20              | QPSK       | 1       | 89        | 16.74                | 16.73                | 16.70                |                       |             |                       |             |
| 20              | QPSK       | 50      | 0         | 16.87                | 16.78                | 16.68                |                       |             |                       |             |
| 20              | QPSK       | 50      | 24        | 16.76                | 16.78                | 16.69                | 17.4                  | 0           |                       |             |
| 20              | QPSK       | 100     | 0         | 16.87                | 16.76                | 16.64                |                       |             |                       |             |
| 20              | QPSK       | 100     | 24        | 16.79                | 16.79                | 16.66                |                       |             |                       |             |
| 20              | 16QAM      | 1       | 49        | 16.68                | 16.66                | 16.72                | 17.4                  | 0           |                       |             |
| 20              | 16QAM      | 1       | 99        | 16.71                | 16.67                | 16.68                |                       |             |                       |             |
| 20              | 16QAM      | 50      | 0         | 16.73                | 16.68                | 16.70                |                       |             |                       |             |
| 20              | 16QAM      | 50      | 24        | 16.72                | 16.76                | 16.65                | 17.4                  | 0           |                       |             |
| 20              | 16QAM      | 100     | 0         | 16.63                | 16.78                | 16.66                |                       |             |                       |             |
| 20              | 16QAM      | 100     | 24        | 16.73                | 16.76                | 16.66                |                       |             |                       |             |
| 20              | 64QAM      | 1       | 0         | 16.85                | 16.68                | 16.62                |                       |             |                       |             |
| 20              | 64QAM      | 1       | 49        | 16.74                | 16.71                | 16.74                | 17.4                  | 0           |                       |             |
| 20              | 64QAM      | 1       | 89        | 16.75                | 16.68                | 16.70                |                       |             |                       |             |
| 20              | 64QAM      | 50      | 0         | 16.73                | 16.78                | 16.66                |                       |             |                       |             |
| 20              | 64QAM      | 50      | 24        | 16.65                | 16.75                | 16.67                | 17.4                  | 0           |                       |             |
| 20              | 64QAM      | 100     | 0         | 16.70                | 16.68                | 16.69                |                       |             |                       |             |
| 20              | 64QAM      | 100     | 24        | 16.63                | 16.74                | 16.67                |                       |             |                       |             |
| 20              | 256QAM     | 1       | 0         | 16.73                | 16.70                | 16.71                |                       |             |                       |             |
| 20              | 256QAM     | 1       | 49        | 16.68                | 16.66                | 16.71                | 17.4                  | 0           |                       |             |
| 20              | 256QAM     | 1       | 99        | 16.70                | 16.79                | 16.68                |                       |             |                       |             |
| 20              | 256QAM     | 50      | 0         | 16.69                | 16.78                | 16.67                |                       |             |                       |             |
| 20              | 256QAM     | 50      | 24        | 16.71                | 16.73                | 16.62                | 17.4                  | 0           |                       |             |
| 20              | 256QAM     | 100     | 0         | 16.71                | 16.76                | 16.66                |                       |             |                       |             |
| 20              | 256QAM     | 100     | 24        | 16.74                | 16.74                | 16.64                |                       |             |                       |             |
| Channel         |            |         |           |                      |                      |                      |                       |             |                       |             |
| 20400           |            |         |           |                      |                      |                      | 21100                 | 21300       | Turn-on<br>Time (dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           |                      |                      |                      | 207.0                 | 213.0       | 216.2                 |             |
| 15              | QPSK       | 1       | 0         | 16.71                | 16.68                | 16.70                |                       |             |                       |             |
| 15              | QPSK       | 1       | 37        | 16.67                | 16.67                | 16.67                | 17.4                  | 0           |                       |             |
| 15              | QPSK       | 1       | 74        | 16.71                | 16.67                | 16.73                |                       |             |                       |             |
| 15              | QPSK       | 50      | 0         | 16.66                | 16.79                | 16.65                |                       |             |                       |             |
| 15              | QPSK       | 50      | 25        | 16.71                | 16.71                | 16.71                | 17.4                  | 0           |                       |             |
| 15              | QPSK       | 100     | 0         | 16.68                | 16.72                | 16.63                |                       |             |                       |             |
| 15              | QPSK       | 100     | 25        | 16.70                | 16.73                | 16.63                |                       |             |                       |             |
| 15              | 16QAM      | 1       | 0         | 16.68                | 16.73                | 16.63                |                       |             |                       |             |
| 15              | 16QAM      | 1       | 49        | 16.68                | 16.68                | 16.70                | 17.4                  | 0           |                       |             |
| 15              | 16QAM      | 1       | 74        | 16.69                | 16.71                | 16.63                |                       |             |                       |             |
| 15              | 16QAM      | 50      | 0         | 16.71                | 16.70                | 16.68                |                       |             |                       |             |
| 15              | 16QAM      | 50      | 25        | 16.71                | 16.68                | 16.70                | 17.4                  | 0           |                       |             |
| 15              | 16QAM      | 100     | 0         | 16.66                | 16.79                | 16.64                |                       |             |                       |             |
| 15              | 16QAM      | 100     | 25        | 16.70                | 16.80                | 16.70                |                       |             |                       |             |
| 15              | 64QAM      | 1       | 0         | 16.64                | 16.68                | 16.62                | 17.4                  | 0           |                       |             |
| 15              | 64QAM      | 1       | 37        | 16.64                | 16.68                | 16.62                |                       |             |                       |             |
| 15              | 64QAM      | 1       | 74        | 16.66                | 16.78                | 16.62                |                       |             |                       |             |
| 15              | 64QAM      | 50      | 0         | 16.66                | 16.78                | 16.70                |                       |             |                       |             |
| 15              | 64QAM      | 50      | 25        | 16.68                | 16.73                | 16.70                | 17.4                  | 0           |                       |             |
| 15              | 64QAM      | 100     | 0         | 16.67                | 16.78                | 16.69                |                       |             |                       |             |
| 15              | 256QAM     | 1       | 0         | 16.73                | 16.70                | 16.71                |                       |             |                       |             |
| 15              | 256QAM     | 1       | 49        | 16.68                | 16.66                | 16.72                | 17.4                  | 0           |                       |             |
| 15              | 256QAM     | 1       | 74        | 16.70                | 16.70                | 16.70                |                       |             |                       |             |
| 15              | 256QAM     | 50      | 0         | 16.69                | 16.78                | 16.70                |                       |             |                       |             |
| 15              | 256QAM     | 50      | 25        | 16.71                | 16.73                | 16.62                | 17.4                  | 0           |                       |             |
| 15              | 256QAM     | 100     | 0         | 16.69                | 16.78                | 16.70                |                       |             |                       |             |
| 15              | 256QAM     | 100     | 25        | 16.74                | 16.74                | 16.64                |                       |             |                       |             |
| Channel         |            |         |           |                      |                      |                      |                       |             |                       |             |
| 20500           |            |         |           |                      |                      |                      | 21100                 | 21400       | Turn-on<br>Time (dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           |                      |                      |                      | 209.0                 | 215.0       | 218.2                 |             |
| 5               | QPSK       | 1       | 0         | 16.83                | 16.68                | 16.71                |                       |             |                       |             |
| 5               | QPSK       | 1       | 12        | 16.84                | 16.68                | 16.64                | 17.4                  | 0           |                       |             |
| 5               | QPSK       | 1       | 24        | 16.73                | 16.69                | 16.75                |                       |             |                       |             |
| 5               | QPSK       | 12      | 0         | 16.76                | 16.75                | 16.75                |                       |             |                       |             |
| 5               | QPSK       | 12      | 7         | 16.72                | 16.70                | 16.70                | 17.4                  | 0           |                       |             |
| 5               | QPSK       | 12      | 14        | 16.67                | 16.68                | 16.71                |                       |             |                       |             |
| 5               | QPSK       | 25      | 0         | 16.73                | 16.77                | 16.74                |                       |             |                       |             |
| 5               | 16QAM      | 1       | 0         | 16.73                | 16.69                | 16.72                |                       |             |                       |             |
| 5               | 16QAM      | 1       | 12        | 16.74                | 16.70                | 16.66                | 17.4                  | 0           |                       |             |
| 5               | 16QAM      | 1       | 24        | 16.63                | 16.76                | 16.76                |                       |             |                       |             |
| 5               | 16QAM      | 12      | 0         | 16.62                | 16.74                | 16.71                |                       |             |                       |             |
| 5               | 16QAM      | 12      | 7         | 16.75                | 16.74                | 16.65                | 17.4                  | 0           |                       |             |
| 5               | 16QAM      | 12      | 13        | 16.72                | 16.78                | 16.74                |                       |             |                       |             |
| 5               | 16QAM      | 25      | 0         | 16.67                | 16.78                | 16.74                |                       |             |                       |             |
| 5               | 16QAM      | 25      | 7         | 16.68                | 16.71                | 16.69                |                       |             |                       |             |
| 5               | 64QAM      | 1       | 12        | 16.67                | 16.68                | 16.73                | 17.4                  | 0           |                       |             |
| 5               | 64QAM      | 1       | 24        | 16.67                | 16.67                | 16.72                |                       |             |                       |             |
| 5               | 64QAM      | 12      | 0         | 16.63                | 16.67                | 16.64                |                       |             |                       |             |
| 5               | 64QAM      | 12      | 7         | 16.63                | 16.77                | 16.74                |                       |             |                       |             |
| 5               | 64QAM      | 12      | 13        | 16.67                | 16.76                | 16.73                | 17.4                  | 0           |                       |             |
| 5               | 256QAM     | 1       | 0         | 16.65                | 16.69                | 16.65                |                       |             |                       |             |
| 5               | 256QAM     | 1       | 12        | 16.68                | 16.68                | 16.64                |                       |             |                       |             |
| 5               | 256QAM     | 1       | 24        | 16.63                | 16.73                | 16.75                | 17.4                  | 0           |                       |             |
| 5               | 256QAM     | 12      | 0         | 16.63                | 16.68                | 16.68                |                       |             |                       |             |
| 5               | 256QAM     | 12      | 13        | 16.74                | 16.75                | 16.67                | 17.4                  | 0           |                       |             |
| 5               | 256QAM     | 25      | 0         | 16.65                | 16.68                | 16.65                |                       |             |                       |             |

| Band 66 Ant 4   |            |        |             |                   |                   |                   |                  |          |  |  |  |
|-----------------|------------|--------|-------------|-------------------|-------------------|-------------------|------------------|----------|--|--|--|
| RF MHz          | Modulation | RF Sps | RF Ch Width | Power / Ch / 100W | Power / Ch / 100W | Power / Ch / 100W | Turn-on time (s) | MPE (dB) |  |  |  |
| Channel         |            |        |             |                   |                   |                   |                  |          |  |  |  |
| Frequency (MHz) |            |        |             |                   |                   |                   |                  |          |  |  |  |
| 20              | QPSK       | 1      | 0           | 18.55             | 18.55             | 18.55             |                  |          |  |  |  |
| 20              | QPSK       | 1      | 49          | 18.38             | 18.55             | 18.47             |                  | 19.1     |  |  |  |
| 20              | QPSK       | 1      | 98          | 18.21             | 18.55             | 18.33             |                  |          |  |  |  |
| 20              | QPSK       | 50     | 0           | 18.44             | 18.55             | 18.47             |                  |          |  |  |  |
| 20              | QPSK       | 50     | 49          | 18.27             | 18.55             | 18.33             |                  |          |  |  |  |
| 20              | QPSK       | 50     | 98          | 18.14             | 18.48             | 18.39             |                  | 19.1     |  |  |  |
| 20              | QPSK       | 100    | 0           | 18.11             | 18.52             | 18.51             |                  |          |  |  |  |
| 20              | QPSK       | 100    | 49          | 18.04             | 18.52             | 18.50             |                  |          |  |  |  |
| 20              | 16QAM      | 1      | 49          | 18.51             | 18.51             | 18.51             |                  |          |  |  |  |
| 20              | 16QAM      | 1      | 99          | 18.41             | 18.52             | 18.51             |                  |          |  |  |  |
| 20              | 16QAM      | 50     | 0           | 18.54             | 18.52             | 18.51             |                  |          |  |  |  |
| 20              | 16QAM      | 50     | 49          | 18.39             | 18.51             | 18.44             |                  |          |  |  |  |
| 20              | 16QAM      | 50     | 99          | 18.48             | 18.45             | 18.42             |                  |          |  |  |  |
| 20              | 16QAM      | 50     | 149         | 18.41             | 18.45             | 18.39             |                  |          |  |  |  |
| 20              | 16QAM      | 100    | 0           | 18.52             | 18.48             | 18.43             |                  |          |  |  |  |
| 20              | 16QAM      | 100    | 49          | 18.45             | 18.54             | 18.51             |                  | 19.1     |  |  |  |
| 20              | 16QAM      | 100    | 99          | 18.38             | 18.51             | 18.43             |                  |          |  |  |  |
| 20              | 16QAM      | 100    | 149         | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 0           | 18.42             | 18.45             | 18.43             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 49          | 18.43             | 18.43             | 18.43             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 99          | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 149         | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 199         | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 249         | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 299         | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 349         | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 399         | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 449         | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 499         | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 549         | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 599         | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 649         | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 699         | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 749         | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 799         | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 849         | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 899         | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 949         | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 999         | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1049        | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1099        | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1149        | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1199        | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1249        | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1299        | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1349        | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1399        | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1449        | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1499        | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1549        | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1599        | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1649        | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1699        | 18.39             | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1749        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1799        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1849        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1899        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1949        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 1999        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2049        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2099        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2149        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2199        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2249        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2299        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2349        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2399        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2449        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2499        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2549        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2599        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2649        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2699        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2749        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2799        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2849        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2899        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2949        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 2999        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3049        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3099        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3149        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3199        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3249        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3299        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3349        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3399        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3449        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3499        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3549        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3599        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3649        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3699        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3749        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3799        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3849        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3899        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3949        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 3999        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4049        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4099        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4149        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4199        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4249        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4299        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4349        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4399        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4449        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4499        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4549        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4599        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4649        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4699        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4749        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4799        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4849        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4899        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4949        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 4999        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5049        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5099        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5149        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5199        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5249        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5299        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5349        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5399        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5449        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5499        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5549        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5599        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5649        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5699        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5749        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5799        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5849        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5899        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5949        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 5999        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6049        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6099        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6149        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6199        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6249        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6299        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6349        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6399        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6449        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6499        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6549        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6599        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6649        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6699        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6749        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6799        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6849        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6899        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6949        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 6999        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 7049        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 7099        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 7149        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 7199        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 7249        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 7299        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 7349        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 7399        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 7449        | 18                | 18.52             | 18.49             |                  |          |  |  |  |
| 20              | 16QAM      | 200    | 7499        | 18                | 18.52             |                   |                  |          |  |  |  |

Reduced Power Mode for Other PA DSI3

| Band 2 Ant 1 Sig Path 549 |            |                                   |                              |                                    |                                   |                              |                                  |                   |          |  |
|---------------------------|------------|-----------------------------------|------------------------------|------------------------------------|-----------------------------------|------------------------------|----------------------------------|-------------------|----------|--|
| BW (MHz)                  | Modulation | RB Size                           | RB Offset                    | Channel                            | Power Low Freq. Ch / Freq. 1890.5 | Power Mode Ch / Freq. 1890.5 | Power High Freq. Ch / Freq. 1900 | Turn-on time (ms) | MPR (dB) |  |
| Frequency (MHz)           |            |                                   |                              |                                    |                                   |                              |                                  |                   |          |  |
| 20                        | QPSK       | 1                                 | 0                            | 1890.5                             | 1890.5                            | 1890.5                       | 1900                             | 23.5              | 0        |  |
| 20                        | QPSK       | 1                                 | 49                           | 22.18                              | 22.22                             | 22.27                        | 22.32                            |                   |          |  |
| 20                        | QPSK       | 1                                 | 99                           | 22.19                              | 22.27                             | 22.32                        | 22.38                            |                   |          |  |
| 20                        | QPSK       | 8                                 | 0                            | 21.43                              | 21.76                             | 21.81                        | 21.91                            | 23                | 0.5      |  |
| 20                        | QPSK       | 8                                 | 24                           | 21.38                              | 21.58                             | 21.61                        | 21.81                            |                   |          |  |
| 20                        | QPSK       | 50                                | 50                           | 21.44                              | 21.75                             | 21.81                        | 21.91                            |                   |          |  |
| 20                        | 16QAM      | 1                                 | 0                            | 21.57                              | 21.72                             | 21.81                        | 21.84                            |                   |          |  |
| 20                        | 16QAM      | 1                                 | 49                           | 21.48                              | 21.68                             | 21.75                        | 21.75                            | 23                | 0.5      |  |
| 20                        | 16QAM      | 1                                 | 99                           | 21.63                              | 21.37                             | 21.57                        | 21.57                            |                   |          |  |
| 20                        | 16QAM      | 50                                | 0                            | 21.45                              | 21.41                             | 21.44                        | 21.44                            |                   |          |  |
| 20                        | 16QAM      | 50                                | 24                           | 21.46                              | 21.62                             | 21.76                        | 21.76                            | 22                | 1.5      |  |
| 20                        | 16QAM      | 50                                | 50                           | 21.48                              | 21.75                             | 21.58                        | 21.58                            |                   |          |  |
| 20                        | 16QAM      | 100                               | 0                            | 20.57                              | 20.69                             | 20.48                        | 20.48                            |                   |          |  |
| 20                        | 16QAM      | 100                               | 24                           | 20.42                              | 20.59                             | 20.63                        | 20.63                            |                   |          |  |
| 20                        | 16QAM      | 1                                 | 99                           | 20.59                              | 20.44                             | 20.59                        | 20.59                            | 22                | 1.5      |  |
| 20                        | 16QAM      | 50                                | 50                           | 19.85                              | 19.85                             | 19.85                        | 19.85                            | 21                | 2.5      |  |
| 20                        | 16QAM      | 50                                | 24                           | 19.96                              | 19.85                             | 19.75                        | 19.75                            |                   |          |  |
| 20                        | 16QAM      | 50                                | 50                           | 19.92                              | 19.85                             | 19.79                        | 19.79                            |                   |          |  |
| 20                        | 16QAM      | 100                               | 0                            | 19.85                              | 19.85                             | 19.79                        | 19.79                            |                   |          |  |
| 20                        | 256QAM     | 1                                 | 0                            | 17.65                              | 17.45                             | 17.55                        | 17.55                            | 19                | 4.5      |  |
| 20                        | 256QAM     | 1                                 | 49                           | 17.59                              | 17.46                             | 17.44                        | 17.44                            |                   |          |  |
| 20                        | 256QAM     | 1                                 | 99                           | 17.60                              | 17.74                             | 17.54                        | 17.54                            |                   |          |  |
| 20                        | 256QAM     | 50                                | 0                            | 17.66                              | 17.61                             | 17.54                        | 17.54                            |                   |          |  |
| 20                        | 256QAM     | 50                                | 24                           | 17.66                              | 17.67                             | 17.67                        | 17.67                            |                   |          |  |
| 20                        | 256QAM     | 50                                | 50                           | 17.42                              | 17.42                             | 17.54                        | 17.54                            | 19                | 4.5      |  |
| 20                        | 256QAM     | 100                               | 0                            | 17.61                              | 17.42                             | 17.46                        | 17.46                            |                   |          |  |
| Channel                   |            |                                   |                              |                                    |                                   |                              |                                  |                   |          |  |
| Frequency (MHz)           | Channel    | Power Low Freq. Ch / Freq. 1897.5 | Power Mode Ch / Freq. 1897.5 | Power High Freq. Ch / Freq. 1902.5 | Turn-on time (ms)                 | MPR (dB)                     |                                  |                   |          |  |
| 15                        | QPSK       | 1                                 | 0                            | 22.20                              | 22.28                             | 22.22                        | 22.22                            | 23.5              | 0        |  |
| 15                        | QPSK       | 1                                 | 49                           | 22.20                              | 22.28                             | 22.28                        | 22.28                            |                   |          |  |
| 15                        | QPSK       | 1                                 | 74                           | 22.14                              | 22.21                             | 21.93                        | 21.93                            |                   |          |  |
| 15                        | QPSK       | 36                                | 0                            | 21.35                              | 21.66                             | 21.47                        | 21.47                            | 23                | 0.5      |  |
| 15                        | QPSK       | 36                                | 24                           | 21.32                              | 21.53                             | 21.33                        | 21.33                            |                   |          |  |
| 15                        | QPSK       | 36                                | 50                           | 21.38                              | 21.57                             | 21.48                        | 21.48                            |                   |          |  |
| 15                        | QPSK       | 75                                | 0                            | 21.52                              | 21.64                             | 21.63                        | 21.63                            |                   |          |  |
| 15                        | 16QAM      | 1                                 | 0                            | 21.29                              | 21.58                             | 21.62                        | 21.62                            | 23                | 0.5      |  |
| 15                        | 16QAM      | 1                                 | 37                           | 21.46                              | 21.49                             | 21.34                        | 21.34                            |                   |          |  |
| 15                        | 16QAM      | 1                                 | 74                           | 21.48                              | 21.38                             | 21.59                        | 21.59                            |                   |          |  |
| 15                        | 16QAM      | 36                                | 0                            | 21.25                              | 21.52                             | 21.24                        | 21.24                            | 22                | 1.5      |  |
| 15                        | 16QAM      | 36                                | 20                           | 21.42                              | 21.58                             | 21.72                        | 21.72                            |                   |          |  |
| 15                        | 16QAM      | 36                                | 24                           | 21.48                              | 21.62                             | 21.63                        | 21.63                            |                   |          |  |
| 15                        | 16QAM      | 36                                | 50                           | 20.45                              | 20.45                             | 20.38                        | 20.38                            |                   |          |  |
| 15                        | 16QAM      | 75                                | 0                            | 20.31                              | 20.48                             | 20.42                        | 20.42                            | 22                | 1.5      |  |
| 15                        | 16QAM      | 1                                 | 37                           | 20.36                              | 20.25                             | 20.44                        | 20.44                            |                   |          |  |
| 15                        | 16QAM      | 1                                 | 74                           | 20.41                              | 20.25                             | 20.50                        | 20.50                            |                   |          |  |
| 15                        | 16QAM      | 36                                | 0                            | 19.64                              | 19.63                             | 19.57                        | 19.57                            | 21                | 2.5      |  |
| 15                        | 16QAM      | 36                                | 24                           | 19.61                              | 19.68                             | 19.63                        | 19.63                            |                   |          |  |
| 15                        | 16QAM      | 36                                | 50                           | 19.65                              | 19.59                             | 19.73                        | 19.73                            |                   |          |  |
| 15                        | 16QAM      | 75                                | 0                            | 19.58                              | 19.26                             | 19.26                        | 19.26                            |                   |          |  |
| 15                        | 256QAM     | 1                                 | 0                            | 17.64                              | 17.38                             | 17.61                        | 17.61                            | 19                | 4.5      |  |
| 15                        | 256QAM     | 1                                 | 37                           | 17.44                              | 17.38                             | 17.25                        | 17.25                            |                   |          |  |
| 15                        | 256QAM     | 1                                 | 74                           | 17.44                              | 17.38                             | 17.44                        | 17.44                            |                   |          |  |
| 15                        | 256QAM     | 36                                | 0                            | 17.45                              | 17.39                             | 17.53                        | 17.53                            |                   |          |  |
| 15                        | 256QAM     | 36                                | 20                           | 17.47                              | 17.58                             | 17.53                        | 17.53                            | 19                | 4.5      |  |
| 15                        | 256QAM     | 36                                | 24                           | 17.42                              | 17.53                             | 17.53                        | 17.53                            |                   |          |  |
| 15                        | 256QAM     | 75                                | 0                            | 17.38                              | 17.37                             | 17.23                        | 17.23                            |                   |          |  |
| Channel                   |            |                                   |                              |                                    |                                   |                              |                                  |                   |          |  |
| Frequency (MHz)           | Channel    | Power Low Freq. Ch / Freq. 1895.5 | Power Mode Ch / Freq. 1895.5 | Power High Freq. Ch / Freq. 1900.5 | Turn-on time (ms)                 | MPR (dB)                     |                                  |                   |          |  |
| 10                        | QPSK       | 1                                 | 0                            | 22.16                              | 22.28                             | 22.12                        | 22.12                            | 23.5              | 0        |  |
| 10                        | QPSK       | 1                                 | 25                           | 22.12                              | 22.52                             | 21.98                        | 21.98                            |                   |          |  |
| 10                        | QPSK       | 1                                 | 50                           | 22.10                              | 22.33                             | 22.10                        | 22.10                            |                   |          |  |
| 10                        | QPSK       | 25                                | 0                            | 21.43                              | 21.59                             | 21.49                        | 21.49                            | 23                | 0.5      |  |
| 10                        | QPSK       | 25                                | 12                           | 21.35                              | 21.70                             | 21.36                        | 21.36                            |                   |          |  |
| 10                        | QPSK       | 25                                | 25                           | 21.32                              | 21.77                             | 21.41                        | 21.41                            |                   |          |  |
| 10                        | QPSK       | 50                                | 0                            | 21.43                              | 21.62                             | 21.62                        | 21.62                            | 23                | 0.5      |  |
| 10                        | 16QAM      | 1                                 | 0                            | 21.29                              | 21.54                             | 21.62                        | 21.62                            |                   |          |  |
| 10                        | 16QAM      | 1                                 | 25                           | 21.60                              | 21.62                             | 21.31                        | 21.31                            | 23                | 0.5      |  |
| 10                        | 16QAM      | 1                                 | 49                           | 21.49                              | 21.27                             | 21.41                        | 21.41                            |                   |          |  |
| 10                        | 16QAM      | 25                                | 0                            | 21.41                              | 21.41                             | 21.31                        | 21.31                            |                   |          |  |
| 10                        | 16QAM      | 25                                | 12                           | 21.38                              | 21.54                             | 21.53                        | 21.53                            | 22                | 1.5      |  |
| 10                        | 16QAM      | 25                                | 25                           | 21.27                              | 21.70                             | 21.39                        | 21.39                            |                   |          |  |
| 10                        | 16QAM      | 50                                | 0                            | 20.48                              | 20.43                             | 20.36                        | 20.36                            |                   |          |  |
| 10                        | 16QAM      | 1                                 | 0                            | 20.27                              | 20.43                             | 20.50                        | 20.50                            | 22                | 1.5      |  |
| 10                        | 16QAM      | 1                                 | 25                           | 20.17                              | 20.18                             | 20.58                        | 20.58                            |                   |          |  |
| 10                        | 16QAM      | 1                                 | 49                           | 20.61                              | 20.26                             | 20.54                        | 20.54                            |                   |          |  |
| 10                        | 16QAM      | 25                                | 0                            | 19.53                              | 19.62                             | 19.50                        | 19.50                            | 21                | 2.5      |  |
| 10                        | 16QAM      | 25                                | 12                           | 19.62                              | 19.68                             | 19.63                        | 19.63                            |                   |          |  |
| 10                        | 16QAM      | 25                                | 25                           | 19.71                              | 19.68                             | 19.78                        | 19.78                            |                   |          |  |
| 10                        | 16QAM      | 50                                | 0                            | 19.40                              | 19.29                             | 19.29                        | 19.29                            |                   |          |  |
| 10                        | 256QAM     | 1                                 | 0                            | 17.47                              | 17.26                             | 17.39                        | 17.39                            | 19                | 4.5      |  |
| 10                        | 256QAM     | 1                                 | 25                           | 17.45                              | 17.42                             | 17.25                        | 17.25                            |                   |          |  |
| 10                        | 256QAM     | 1                                 | 49                           | 17.55                              | 17.56                             | 17.46                        | 17.46                            |                   |          |  |
| 10                        | 256QAM     | 25                                | 0                            | 17.52                              | 17.52                             | 17.46                        | 17.46                            |                   |          |  |
| 10                        | 256QAM     | 25                                | 12                           | 17.57                              | 17.55                             | 17.57                        | 17.57                            | 19                | 4.5      |  |
| 10                        | 256QAM     | 25                                | 25                           | 17.34                              | 17.34                             | 17.43                        | 17.43                            |                   |          |  |
| 10                        | 256QAM     | 50                                | 0                            | 17.54                              | 17.35                             | 17.35                        | 17.35                            |                   |          |  |
| Channel                   |            |                                   |                              |                                    |                                   |                              |                                  |                   |          |  |
| Frequency (MHz)           | Channel    | Power Low Freq. Ch / Freq. 1892.5 | Power Mode Ch / Freq. 1892.5 | Power High Freq. Ch / Freq. 1897.5 | Turn-on time (ms)                 | MPR (dB)                     |                                  |                   |          |  |
| 5                         | QPSK       | 1                                 | 0                            | 22.12                              | 22.28                             | 22.12                        | 22.12                            | 23.5              | 0        |  |
| 5                         | QPSK       | 1                                 | 12                           | 22.05                              | 22.19                             | 22.01                        | 22.01                            |                   |          |  |
| 5                         | QPSK       | 1                                 | 24                           | 22.06                              | 22.09                             | 21.99                        | 21.99                            |                   |          |  |
| 5                         | QPSK       | 12                                | 0                            | 21.26                              | 21.57                             | 21.41                        | 21.41                            | 23                | 0.5      |  |
| 5                         | QPSK       | 12                                | 7                            | 21.37                              | 21.53                             | 21.25                        | 21.25                            |                   |          |  |
| 5                         | QPSK       | 12                                | 13                           | 21.48                              | 21.63                             | 21.48                        | 21.48                            |                   |          |  |
| 5                         | QPSK       | 25                                | 0                            | 21.43                              | 21.64                             | 21.52                        | 21.52                            |                   |          |  |
| 5                         | 16QAM      | 1                                 | 0                            | 21.33                              | 21.63                             | 21.72                        | 21.72                            | 23                | 0.5      |  |
| 5                         | 16QAM      | 1                                 | 12                           | 21.56                              | 21.47                             | 21.26                        | 21.26                            |                   |          |  |
| 5                         | 16QAM      | 1                                 | 24                           | 21.46                              | 21.36                             | 21.47                        | 21.47                            |                   |          |  |
| 5                         | 16QAM      | 12                                | 0                            | 21.45                              | 21.28                             | 21.42                        | 21.42                            | 22                | 1.5      |  |
| 5                         | 16QAM      | 12                                | 7                            | 21.48                              | 21.48                             | 21.48                        | 21.48                            |                   |          |  |
| 5                         | 16QAM      | 12                                | 13                           | 21.29                              | 21.79                             | 21.54                        | 21.54                            |                   |          |  |
| 5                         | 16QAM      | 25                                | 0                            | 20.40                              | 20.56                             | 20.41                        | 20.41                            |                   |          |  |
| 5                         | 16QAM      | 1                                 | 0                            | 20.23                              | 20.39                             | 20.46                        | 20.46                            | 22                | 1.5      |  |
| 5                         | 16QAM      | 1                                 | 12                           | 20.24                              | 20.14                             | 20.64                        | 20.64                            |                   |          |  |
| 5                         | 16QAM      | 1                                 | 24                           | 20.55                              | 20.28                             | 20.38                        | 20.38                            |                   |          |  |
| 5                         | 16QAM      | 12                                | 0                            | 19.55                              | 19.85                             | 19.34                        | 19.34                            | 21                | 2.5      |  |
| 5                         | 16QAM      | 12                                | 7                            | 19.64                              | 19.69                             | 19.77                        | 19.77                            |                   |          |  |
| 5                         | 16QAM      | 12                                | 13                           | 19.69                              | 19.66                             | 19.69                        | 19.69                            |                   |          |  |
| 5                         | 16QAM      | 25                                | 0                            | 19.56                              | 19.47                             | 19.28                        | 19.28                            |                   |          |  |
| 5                         | 256QAM     | 1                                 | 0                            | 17.44                              | 17.39                             | 17.53                        | 17.53                            | 19                | 4.5      |  |
| 5                         | 256QAM     | 1                                 | 12                           | 17.43                              | 17.38                             | 17.43                        | 17.43                            |                   |          |  |
| 5                         | 256QAM     | 1                                 | 24                           | 17.52                              | 17.67                             | 17.50                        | 17.50                            |                   |          |  |
| 5                         | 256QAM     | 12                                | 0                            | 17.68                              | 17.45                             | 17.43                        | 17.43                            |                   |          |  |
| 5                         | 256QAM     | 12                                | 7                            | 17.50                              | 17.45                             | 17.45                        | 17.45                            |                   |          |  |
| 5                         | 256QAM     | 12                                | 13                           | 17.35                              | 17.41                             | 17.48                        | 17.48                            | 19                | 4.5      |  |
| 5                         | 256QAM     | 25                                | 0                            | 17.51                              | 17.42                             | 17.29                        | 17.29                            |                   |          |  |
| 5                         | 256QAM     | 15                                | 0                            | 17.53                              | 17.22                             | 17.37                        | 17.37                            |                   |          |  |
| Channel                   |            |                                   |                              |                                    |                                   |                              |                                  |                   |          |  |
| Frequency (MHz)           | Channel    | Power Low Freq. Ch / Freq. 1890.7 | Power Mode Ch / Freq. 1890.7 | Power High Freq. Ch / Freq. 1895.7 | Turn-on time (ms)                 | MPR (dB)                     |                                  |                   |          |  |
| 1.4                       | QPSK       | 1                                 | 0                            | 22.23                              | 22.29                             | 22.12                        | 22.12                            | 23.5              | 0        |  |
| 1.4                       | QPSK       | 1                                 | 3                            | 22.11                              | 22.17                             | 22.02                        | 22.02                            |                   |          |  |
| 1.4                       | QPSK       | 1                                 | 23                           | 22.17                              | 22.22                             | 22.02                        | 22.02                            |                   |          |  |
| 1.4                       | QPSK       | 3                                 | 0                            | 22.13                              | 22.29                             | 22.16                        | 22.16                            | 23                | 0.5      |  |
| 1.4                       | QPSK       | 3                                 | 1                            | 21.96                              | 22.01                             | 22.02                        | 22.02                            |                   |          |  |
| 1.4                       | QPSK       | 3                                 | 1                            | 21.96                              | 22.11                             | 22.05                        | 22.05                            |                   |          |  |
| 1.4                       | QPSK       | 6                                 | 0                            | 21.37                              | 21.59                             | 21.29                        | 21.29                            | 23                | 0.5      |  |
| 1.4                       | QPSK       | 6                                 | 3                            | 21.37                              | 21.59                             | 21.44                        | 21.44                            |                   |          |  |
| 1.4                       | 16QAM      | 1                                 | 0                            | 21.33                              | 21.58                             | 21.72                        | 21.72                            |                   |          |  |
| 1.4                       | 16QAM      | 1                                 | 5                            | 21.38                              | 21.73                             | 21.49                        | 21.49                            | 23                | 0.5      |  |
| 1.4                       | 16QAM      | 1                                 | 23                           | 21.29                              | 21.44                             | 21.29                        | 21.29                            |                   |          |  |
| 1.4                       | 16QAM      | 3                                 | 0                            | 21.29                              | 21.52                             | 21.51                        | 21.51                            |                   |          |  |
| 1.4                       | 16QAM      | 3                                 | 3                            | 21.66                              | 21.73                             | 21.64                        | 21.64                            |                   |          |  |
| 1.4                       | 16QAM      | 6                                 | 0                            | 20.55                              | 20.43                             | 20.57                        | 20.57                            | 22                | 1.5      |  |
| 1.4                       | 16QAM      | 6                                 | 3                            | 20.51                              | 20.40                             | 20.79                        | 20.79                            |                   |          |  |
| 1.4                       | 16QAM      | 6                                 | 6                            | 20.45                              | 20.47                             | 20.64                        | 20.64                            |                   |          |  |
| 1.4                       | 16QAM      | 3                                 | 0                            | 20.60                              | 20.85                             | 20.54                        | 20.54                            | 22                | 1.5      |  |
| 1.4                       | 16QAM      | 3                                 | 1                            | 20.37                              | 20.42                             | 20.68                        | 20.68                            |                   |          |  |
| 1.4                       | 16QAM      | 6                                 | 0                            | 20.44                              | 19.86                             | 19.86                        | 19.86                            |                   |          |  |
| 1.4                       | 16QAM      | 6                                 | 0                            | 19.54                              | 19.59                             | 19.48                        | 19.48                            | 21</              |          |  |

| Band 4 Ant 4    |            |         |           |                     |                      |                        |                |              |          |  |
|-----------------|------------|---------|-----------|---------------------|----------------------|------------------------|----------------|--------------|----------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power Middle Ch / Freq | High Ch / Freq | Turn-up (dB) | MFR (dB) |  |
| Channel         |            |         |           |                     |                      |                        |                |              |          |  |
| Frequency (MHz) | 1          | 0       |           | 1717.5              | 1732.5               | 1747.5                 |                |              |          |  |
| 20 QPSK         | 1          | 0       |           | 16.19               | 16.33                | 16.30                  |                |              |          |  |
| 20 QPSK         | 1          | 49      |           | 16.23               | 16.27                | 16.25                  |                | 17.4         | 0        |  |
| 20 QPSK         | 1          | 99      |           | 16.28               | 16.27                | 16.28                  |                |              |          |  |
| 20 QPSK         | 50         | 0       |           | 16.36               | 16.30                | 16.32                  |                |              |          |  |
| 20 QPSK         | 50         | 24      |           | 16.36               | 16.17                | 16.32                  |                | 17.4         | 0        |  |
| 20 QPSK         | 50         | 50      |           | 16.23               | 16.28                | 16.24                  |                |              |          |  |
| 20 QPSK         | 100        | 0       |           | 16.04               | 16.37                | 16.28                  |                |              |          |  |
| 16QAM           | 1          | 0       |           | 16.20               | 16.20                | 16.27                  |                |              |          |  |
| 16QAM           | 1          | 49      |           | 16.32               | 16.16                | 16.25                  |                | 17.4         | 0        |  |
| 16QAM           | 1          | 99      |           | 16.11               | 16.15                | 16.17                  |                |              |          |  |
| 16QAM           | 50         | 0       |           | 16.15               | 16.03                | 16.26                  |                |              |          |  |
| 16QAM           | 50         | 24      |           | 16.25               | 16.01                | 16.01                  |                | 17.4         | 0        |  |
| 16QAM           | 50         | 50      |           | 16.18               | 16.36                | 16.30                  |                |              |          |  |
| 16QAM           | 100        | 0       |           | 16.17               | 16.26                | 16.07                  |                |              |          |  |
| 8QAM            | 1          | 0       |           | 16.02               | 16.14                | 16.23                  |                |              |          |  |
| 8QAM            | 1          | 49      |           | 16.15               | 16.45                | 16.15                  |                | 17.4         | 0        |  |
| 8QAM            | 1          | 99      |           | 16.22               | 16.07                | 16.21                  |                |              |          |  |
| 8QAM            | 50         | 0       |           | 16.20               | 16.21                | 16.26                  |                |              |          |  |
| 8QAM            | 50         | 24      |           | 16.12               | 16.42                | 16.24                  |                | 17.4         | 0        |  |
| 8QAM            | 50         | 50      |           | 16.14               | 16.25                | 16.19                  |                |              |          |  |
| 8QAM            | 100        | 0       |           | 16.17               | 16.13                | 16.11                  |                |              |          |  |
| 256QAM          | 1          | 0       |           | 16.19               | 16.40                | 16.10                  |                |              |          |  |
| 256QAM          | 1          | 49      |           | 16.21               | 16.28                | 16.19                  |                | 17.4         | 0        |  |
| 256QAM          | 1          | 99      |           | 16.19               | 16.26                | 16.20                  |                |              |          |  |
| 256QAM          | 50         | 0       |           | 16.29               | 16.31                | 16.18                  |                |              |          |  |
| 256QAM          | 50         | 24      |           | 16.23               | 16.37                | 16.24                  |                | 17.4         | 0        |  |
| 256QAM          | 50         | 50      |           | 16.20               | 16.23                | 16.02                  |                |              |          |  |
| 256QAM          | 100        | 0       |           | 16.30               | 16.27                | 16.14                  |                |              |          |  |
| Channel         |            |         |           |                     |                      |                        |                |              |          |  |
| Frequency (MHz) | 1          | 0       |           | 1717.5              | 1732.5               | 1747.5                 |                |              |          |  |
| 15 QPSK         | 1          | 0       |           | 16.15               | 16.32                | 16.26                  |                |              |          |  |
| 15 QPSK         | 1          | 37      |           | 16.17               | 16.31                | 16.27                  |                | 17.4         | 0        |  |
| 15 QPSK         | 1          | 74      |           | 16.15               | 16.08                | 16.06                  |                |              |          |  |
| 15 QPSK         | 36         | 0       |           | 16.17               | 16.21                | 16.25                  |                |              |          |  |
| 15 QPSK         | 36         | 36      |           | 16.22               | 16.14                | 16.24                  |                | 17.4         | 0        |  |
| 15 QPSK         | 36         | 72      |           | 16.11               | 16.22                | 16.17                  |                |              |          |  |
| 15 QPSK         | 75         | 0       |           | 16.01               | 16.21                | 16.17                  |                |              |          |  |
| 15 QPSK         | 75         | 36      |           | 16.00               | 16.05                | 16.02                  |                |              |          |  |
| 15 QPSK         | 75         | 72      |           | 16.17               | 16.10                | 16.08                  |                | 17.4         | 0        |  |
| 15 QPSK         | 1          | 74      |           | 16.13               | 15.93                | 16.14                  |                |              |          |  |
| 15 QPSK         | 36         | 0       |           | 16.16               | 16.09                | 16.20                  |                |              |          |  |
| 15 QPSK         | 36         | 36      |           | 16.09               | 15.81                | 15.81                  |                | 17.4         | 0        |  |
| 15 QPSK         | 36         | 72      |           | 16.09               | 16.13                | 16.04                  |                |              |          |  |
| 15 QPSK         | 75         | 0       |           | 16.09               | 16.13                | 15.95                  |                |              |          |  |
| 15 QPSK         | 75         | 36      |           | 16.09               | 16.04                | 16.02                  |                | 17.4         | 0        |  |
| 15 QPSK         | 75         | 72      |           | 16.15               | 16.02                | 16.02                  |                |              |          |  |
| 16QAM           | 1          | 0       |           | 16.08               | 16.20                | 16.27                  |                |              |          |  |
| 16QAM           | 1          | 37      |           | 16.10               | 16.03                | 16.02                  |                | 17.4         | 0        |  |
| 16QAM           | 1          | 74      |           | 16.13               | 15.93                | 16.14                  |                |              |          |  |
| 16QAM           | 36         | 0       |           | 16.23               | 16.22                | 16.04                  |                |              |          |  |
| 16QAM           | 36         | 36      |           | 16.08               | 16.18                | 16.07                  |                | 17.4         | 0        |  |
| 16QAM           | 36         | 72      |           | 16.02               | 16.16                | 16.07                  |                |              |          |  |
| 16QAM           | 75         | 0       |           | 16.14               | 16.09                | 15.86                  |                |              |          |  |
| 16QAM           | 75         | 36      |           | 16.09               | 16.04                | 16.02                  |                | 17.4         | 0        |  |
| 16QAM           | 75         | 72      |           | 16.15               | 16.02                | 16.02                  |                |              |          |  |
| 256QAM          | 1          | 0       |           | 16.03               | 16.22                | 16.07                  |                |              |          |  |
| 256QAM          | 1          | 37      |           | 16.03               | 16.22                | 16.07                  |                | 17.4         | 0        |  |
| 256QAM          | 1          | 74      |           | 16.10               | 16.06                | 16.04                  |                |              |          |  |
| 256QAM          | 36         | 0       |           | 16.16               | 16.15                | 16.04                  |                |              |          |  |
| 256QAM          | 36         | 36      |           | 16.20               | 16.16                | 16.27                  |                | 17.4         | 0        |  |
| 256QAM          | 36         | 72      |           | 16.15               | 16.15                | 16.04                  |                |              |          |  |
| 256QAM          | 75         | 0       |           | 16.25               | 16.17                | 16.12                  |                |              |          |  |
| Channel         |            |         |           |                     |                      |                        |                |              |          |  |
| Frequency (MHz) | 1          | 0       |           | 1715                | 1732.5               | 1750.5                 |                |              |          |  |
| 10 QPSK         | 1          | 0       |           | 16.02               | 16.41                | 16.31                  |                |              |          |  |
| 10 QPSK         | 1          | 25      |           | 16.03               | 16.26                | 16.05                  |                | 17.4         | 0        |  |
| 10 QPSK         | 1          | 49      |           | 16.24               | 16.15                | 16.15                  |                |              |          |  |
| 10 QPSK         | 25         | 0       |           | 15.79               | 16.21                | 16.18                  |                |              |          |  |
| 10 QPSK         | 25         | 12      |           | 16.03               | 16.01                | 16.25                  |                | 17.4         | 0        |  |
| 10 QPSK         | 25         | 37      |           | 16.03               | 16.03                | 16.25                  |                |              |          |  |
| 10 QPSK         | 50         | 0       |           | 15.88               | 16.29                | 16.30                  |                |              |          |  |
| 10 QPSK         | 50         | 25      |           | 16.00               | 16.18                | 16.18                  |                | 17.4         | 0        |  |
| 10 QPSK         | 50         | 50      |           | 16.16               | 16.11                | 16.21                  |                |              |          |  |
| 10 QPSK         | 1          | 49      |           | 16.00               | 16.06                | 16.07                  |                |              |          |  |
| 10 QPSK         | 25         | 0       |           | 16.02               | 16.03                | 16.26                  |                |              |          |  |
| 10 QPSK         | 25         | 12      |           | 16.22               | 16.01                | 16.26                  |                | 17.4         | 0        |  |
| 10 QPSK         | 25         | 37      |           | 16.05               | 16.07                | 16.19                  |                |              |          |  |
| 10 QPSK         | 50         | 0       |           | 16.13               | 16.03                | 16.03                  |                |              |          |  |
| 8QAM            | 1          | 0       |           | 16.13               | 16.30                | 16.07                  |                | 17.4         | 0        |  |
| 8QAM            | 1          | 49      |           | 16.03               | 16.15                | 16.04                  |                |              |          |  |
| 8QAM            | 25         | 0       |           | 16.22               | 16.04                | 16.09                  |                |              |          |  |
| 8QAM            | 25         | 12      |           | 16.00               | 16.40                | 16.23                  |                | 17.4         | 0        |  |
| 8QAM            | 25         | 37      |           | 16.06               | 16.37                | 16.06                  |                |              |          |  |
| 8QAM            | 50         | 0       |           | 16.18               | 16.06                | 16.06                  |                |              |          |  |
| 8QAM            | 50         | 25      |           | 16.16               | 16.18                | 16.12                  |                | 17.4         | 0        |  |
| 8QAM            | 50         | 50      |           | 16.18               | 16.30                | 16.26                  |                |              |          |  |
| 8QAM            | 1          | 49      |           | 16.09               | 16.26                | 16.06                  |                | 17.4         | 0        |  |
| 8QAM            | 1          | 25      |           | 16.01               | 16.16                | 16.04                  |                |              |          |  |
| 8QAM            | 1          | 49      |           | 16.14               | 16.00                | 16.06                  |                |              |          |  |
| 8QAM            | 25         | 0       |           | 16.22               | 16.15                | 16.12                  |                | 17.4         | 0        |  |
| 8QAM            | 25         | 12      |           | 16.17               | 16.17                | 16.00                  |                |              |          |  |
| 8QAM            | 25         | 37      |           | 16.25               | 16.06                | 16.04                  |                |              |          |  |
| 256QAM          | 1          | 0       |           | 16.03               | 16.24                | 16.00                  |                |              |          |  |
| 256QAM          | 1          | 25      |           | 16.03               | 16.24                | 16.00                  |                | 17.4         | 0        |  |
| 256QAM          | 1          | 49      |           | 16.10               | 16.06                | 16.04                  |                |              |          |  |
| 256QAM          | 25         | 0       |           | 16.16               | 16.15                | 16.04                  |                |              |          |  |
| 256QAM          | 25         | 12      |           | 16.20               | 16.16                | 16.27                  |                | 17.4         | 0        |  |
| 256QAM          | 25         | 37      |           | 16.15               | 16.15                | 16.04                  |                |              |          |  |
| 256QAM          | 50         | 0       |           | 16.25               | 16.17                | 16.12                  |                |              |          |  |
| Channel         |            |         |           |                     |                      |                        |                |              |          |  |
| Frequency (MHz) | 1          | 0       |           | 1711.5              | 1732.5               | 1753.5                 |                |              |          |  |
| 3 QPSK          | 1          | 0       |           | 16.00               | 16.37                | 16.16                  |                |              |          |  |
| 3 QPSK          | 1          | 8       |           | 16.11               | 16.29                | 16.20                  |                | 17.4         | 0        |  |
| 3 QPSK          | 1          | 14      |           | 16.25               | 16.28                | 16.21                  |                |              |          |  |
| 3 QPSK          | 8          | 0       |           | 16.02               | 16.24                | 16.17                  |                |              |          |  |
| 3 QPSK          | 8          | 4       |           | 16.03               | 16.13                | 16.17                  |                | 17.4         | 0        |  |
| 3 QPSK          | 8          | 7       |           | 16.24               | 16.01                | 16.02                  |                |              |          |  |
| 3 QPSK          | 15         | 0       |           | 16.07               | 16.25                | 16.25                  |                |              |          |  |
| 3 QPSK          | 15         | 8       |           | 16.00               | 16.02                | 16.26                  |                | 17.4         | 0        |  |
| 3 QPSK          | 15         | 14      |           | 16.17               | 16.00                | 16.15                  |                |              |          |  |
| 3 QPSK          | 1          | 14      |           | 16.10               | 16.17                | 16.03                  |                |              |          |  |
| 3 QPSK          | 8          | 0       |           | 16.26               | 16.10                | 16.21                  |                | 17.4         | 0        |  |
| 3 QPSK          | 8          | 4       |           | 16.10               | 16.29                | 16.22                  |                |              |          |  |
| 3 QPSK          | 15         | 0       |           | 16.19               | 16.31                | 16.21                  |                |              |          |  |
| 3 QPSK          | 15         | 8       |           | 16.04               | 16.20                | 16.20                  |                | 17.4         | 0        |  |
| 3 QPSK          | 15         | 14      |           | 16.15               | 16.23                | 16.15                  |                |              |          |  |
| 8QAM            | 1          | 0       |           | 16.11               | 16.24                | 16.00                  |                |              |          |  |
| 8QAM            | 1          | 8       |           | 16.00               | 16.02                | 16.26                  |                | 17.4         | 0        |  |
| 8QAM            | 1          | 14      |           | 16.07               | 16.05                | 16.03                  |                |              |          |  |
| 8QAM            | 8          | 0       |           | 16.17               | 16.00                | 16.15                  |                | 17.4         | 0        |  |
| 8QAM            | 8          | 4       |           | 16.10               | 16.29                | 16.22                  |                |              |          |  |
| 8QAM            | 8          | 7       |           | 16.24               | 16.01                | 16.02                  |                |              |          |  |
| 8QAM            | 15         | 0       |           | 16.09               | 16.22                | 16.22                  |                | 17.4         | 0        |  |
| 8QAM            | 15         | 8       |           | 16.02               | 16.04                | 16.26                  |                |              |          |  |
| 8QAM            | 15         | 14      |           | 16.19               | 16.18                | 16.00                  |                |              |          |  |
| 256QAM          | 1          | 0       |           | 16.07               | 16.02                | 16.02                  |                |              |          |  |
| 256QAM          | 1          | 8       |           | 16.26               | 16.18                | 16.09                  |                | 17.4         | 0        |  |
| 256QAM          | 8          | 0       |           | 16.08               | 16.13                | 16.18                  |                |              |          |  |
| 256QAM          | 8          | 7       |           | 16.16               | 16.16                | 16.04                  |                | 17.4         | 0        |  |
| 256QAM          | 15         | 0       |           | 16.24               | 16.13                | 16.10                  |                |              |          |  |
| Channel         |            |         |           |                     |                      |                        |                |              |          |  |
| Frequency (MHz) | 1          | 0       |           | 1716.5              | 1732.5               | 1754.5                 |                |              |          |  |
| 1.4 QPSK        | 1          | 0       |           | 16.08               | 16.37                | 16.10                  |                |              |          |  |
| 1.4 QPSK        | 1          | 3       |           | 16.09               | 16.22                | 16.18                  |                | 17.4         | 0        |  |
| 1.4 QPSK        | 1          | 6       |           | 16.24               | 16.26                | 16.26                  |                |              |          |  |
| 1.4 QPSK        | 3          | 0       |           | 16.08               | 16.22                | 16.22                  |                |              |          |  |
| 1.4 QPSK        | 3          | 1       |           | 16.05               | 16.16                | 16.13                  |                |              |          |  |
| 1.4 QPSK        | 3          | 4       |           | 16.09               | 16.06                | 16.04                  |                | 17.4         | 0        |  |
| 1.4 QPSK        | 6          | 0       |           | 16.08               | 16.35                | 16.11                  |                |              |          |  |
| 1.4 QPSK        | 6          | 1       |           | 16.02               | 16.10                | 16.26                  |                |              |          |  |
| 1.4 QPSK        | 6          | 3       |           | 16.17               | 16.17                | 16.24                  |                | 17.4         | 0        |  |
| 1.4 QPSK        | 3          | 1       |           | 16.16               | 16.08                | 16.03                  |                |              |          |  |
| 1.4 QPSK        | 3          | 4       |           | 16.16               | 16.08                | 16.03                  |                |              |          |  |
| 1.4 QPSK        | 6          | 3       |           | 16.03               | 16.34                | 16.24                  |                | 17.4         | 0        |  |
| 1.4 QPSK        | 6          | 6       |           | 16.03               | 16.33                | 16.26                  |                |              |          |  |
| 1.4 QPSK        | 6          | 1       |           | 16.05               | 16.35                | 16.23                  |                | 17.4         | 0        |  |
| 1.4 QPSK        | 3          | 1       |           | 16.00               | 16.34                | 16.21                  |                |              |          |  |
| 1.4 QPSK        | 3          | 4       |           | 16.26               | 16.15                | 16.20                  |                | 17.4         | 0        |  |
| 1.4 QPSK        | 6          | 0       |           | 16.11               | 16.02                | 16.07                  |                |              |          |  |
| 1.4 QPSK        | 6          | 3       |           | 16.16               | 16.07                | 16.26                  |                | 17.4         | 0        |  |
| 1.4 QPSK        | 6          | 6       |           | 16.15               | 16.08                | 16.21                  |                |              |          |  |
| 1.4 QPSK        | 3          | 1       |           | 16.00               | 16.34                | 16.21                  |                |              |          |  |
| 1.4 QPSK        | 3          | 4       |           | 16.26               | 16.15                | 16.20                  |                | 17.4         | 0        |  |
| 1.4 QPSK        | 6          | 0       |           | 16.11               | 16.02                | 16.07                  |                |              |          |  |
| 1.4 QPSK        | 6          | 3       |           | 16.16               | 16.07                | 16.26                  |                | 17.4         | 0        |  |
| 1.4 QPSK        | 6          | 6       |           |                     |                      |                        |                |              |          |  |

Reduced Power Mode for Other PA DS16

| Band 2 Ant 1    |            |         |           |                 |                  |                  |                    |          |  |  |  |  |
|-----------------|------------|---------|-----------|-----------------|------------------|------------------|--------------------|----------|--|--|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low 18000 | Power Mode 18000 | Power High 18000 | Turn-up limit (dB) | MPR (dB) |  |  |  |  |
| Channel         |            |         |           |                 |                  |                  |                    |          |  |  |  |  |
| Frequency (MHz) |            |         |           |                 |                  |                  |                    |          |  |  |  |  |
| 20              | QPSK       | 1       | 0         | 22.19           | 22.47            | 22.28            |                    |          |  |  |  |  |
| 20              | QPSK       | 1       | 49        | 21.92           | 22.17            | 22.09            |                    |          |  |  |  |  |
| 20              | QPSK       | 1       | 99        | 21.88           | 22.50            | 22.16            |                    |          |  |  |  |  |
| 20              | QPSK       | 8       | 0         | 21.43           | 21.73            | 21.51            | 23.5               | 0        |  |  |  |  |
| 20              | QPSK       | 8       | 24        | 21.36           | 21.58            | 21.41            |                    |          |  |  |  |  |
| 20              | QPSK       | 50      | 50        | 21.44           | 21.75            | 21.61            | 23                 | 0.5      |  |  |  |  |
| 20              | QPSK       | 100     | 0         | 21.57           | 21.73            | 21.64            |                    |          |  |  |  |  |
| 20              | 16QAM      | 1       | 0         | 21.48           | 21.66            | 21.75            |                    |          |  |  |  |  |
| 20              | 16QAM      | 1       | 49        | 21.58           | 21.55            | 21.43            | 23                 | 0.5      |  |  |  |  |
| 20              | 16QAM      | 1       | 99        | 21.63           | 21.37            | 21.57            |                    |          |  |  |  |  |
| 20              | 16QAM      | 50      | 0         | 21.45           | 21.41            | 21.44            |                    |          |  |  |  |  |
| 20              | 16QAM      | 50      | 24        | 21.46           | 21.62            | 21.70            | 22                 | 1.5      |  |  |  |  |
| 20              | 16QAM      | 50      | 50        | 21.48           | 21.79            | 21.58            |                    |          |  |  |  |  |
| 20              | 16QAM      | 100     | 0         | 20.57           | 20.60            | 20.58            |                    |          |  |  |  |  |
| 20              | 16QAM      | 100     | 0         | 20.44           | 20.47            | 20.55            |                    |          |  |  |  |  |
| 20              | 16QAM      | 1       | 49        | 20.35           | 20.35            | 20.69            | 22                 | 1.5      |  |  |  |  |
| 20              | 16QAM      | 1       | 99        | 20.59           | 20.44            | 20.58            |                    |          |  |  |  |  |
| 20              | 16QAM      | 50      | 0         | 19.55           | 19.60            | 19.56            |                    |          |  |  |  |  |
| 20              | 16QAM      | 50      | 24        | 19.71           | 19.55            | 19.61            | 21                 | 2.5      |  |  |  |  |
| 20              | 16QAM      | 50      | 50        | 19.64           | 19.45            | 19.49            |                    |          |  |  |  |  |
| 20              | 16QAM      | 100     | 0         | 19.60           | 19.45            | 19.49            |                    |          |  |  |  |  |
| 20              | 16QAM      | 1       | 0         | 17.65           | 17.46            | 17.55            |                    |          |  |  |  |  |
| 20              | 16QAM      | 1       | 49        | 17.55           | 17.40            | 17.38            | 19                 | 4.5      |  |  |  |  |
| 20              | 16QAM      | 1       | 99        | 17.60           | 17.74            | 17.74            |                    |          |  |  |  |  |
| 20              | 16QAM      | 50      | 0         | 17.66           | 17.61            | 17.74            |                    |          |  |  |  |  |
| 20              | 16QAM      | 50      | 24        | 17.62           | 17.62            | 17.58            | 19                 | 4.5      |  |  |  |  |
| 20              | 16QAM      | 50      | 50        | 17.42           | 17.42            | 17.54            |                    |          |  |  |  |  |
| 20              | 16QAM      | 100     | 0         | 17.61           | 17.42            | 17.40            |                    |          |  |  |  |  |
| Channel         |            |         |           |                 |                  |                  |                    |          |  |  |  |  |
| Frequency (MHz) |            |         |           | 1807.5          | 1808             | 1802.5           | Turn-up limit (dB) | MPR (dB) |  |  |  |  |
| 15              | QPSK       | 1       | 0         | 22.01           | 22.25            | 22.09            | 23.5               | 0        |  |  |  |  |
| 15              | QPSK       | 1       | 99        | 21.86           | 22.02            | 21.89            |                    |          |  |  |  |  |
| 15              | QPSK       | 1       | 99        | 21.82           | 21.86            | 21.82            |                    |          |  |  |  |  |
| 15              | QPSK       | 36      | 0         | 21.35           | 21.68            | 21.47            |                    |          |  |  |  |  |
| 15              | QPSK       | 36      | 0         | 21.32           | 21.68            | 21.33            |                    |          |  |  |  |  |
| 15              | QPSK       | 36      | 36        | 21.38           | 21.57            | 21.48            | 23                 | 0.5      |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 21.29           | 21.68            | 21.57            |                    |          |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 21.46           | 21.40            | 21.34            | 23                 | 0.5      |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 21.48           | 21.26            | 21.59            |                    |          |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 21.25           | 21.52            | 21.24            |                    |          |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 21.42           | 21.58            | 21.72            | 22                 | 1.5      |  |  |  |  |
| 15              | 16QAM      | 36      | 36        | 21.48           | 21.64            | 21.43            |                    |          |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 20.48           | 20.45            | 20.36            |                    |          |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 20.31           | 20.48            | 20.42            |                    |          |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 20.36           | 20.25            | 20.47            | 22                 | 1.5      |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 20.41           | 20.23            | 20.50            |                    |          |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 19.61           | 19.72            | 19.54            |                    |          |  |  |  |  |
| 15              | 16QAM      | 36      | 36        | 19.65           | 19.62            | 19.76            | 21                 | 2.5      |  |  |  |  |
| 15              | 16QAM      | 36      | 36        | 19.70           | 19.66            | 19.67            |                    |          |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 19.59           | 19.26            | 19.26            |                    |          |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 17.64           | 17.46            | 17.61            |                    |          |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 17.44           | 17.38            | 17.25            | 19                 | 4.5      |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 17.41           | 17.74            | 17.58            |                    |          |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 17.45           | 17.59            | 17.53            |                    |          |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 17.47           | 17.58            | 17.53            | 19                 | 4.5      |  |  |  |  |
| 15              | 16QAM      | 36      | 36        | 17.42           | 17.52            | 17.43            |                    |          |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 17.58           | 17.37            | 17.23            |                    |          |  |  |  |  |
| Channel         |            |         |           |                 |                  |                  |                    |          |  |  |  |  |
| Frequency (MHz) |            |         |           | 1802.5          | 1800             | 1802.5           | Turn-up limit (dB) | MPR (dB) |  |  |  |  |
| 10              | QPSK       | 1       | 0         | 21.99           | 22.31            | 22.14            | 23.5               | 0        |  |  |  |  |
| 10              | QPSK       | 1       | 26        | 21.93           | 22.02            | 22.01            |                    |          |  |  |  |  |
| 10              | QPSK       | 1       | 49        | 21.82           | 21.82            | 21.82            |                    |          |  |  |  |  |
| 10              | QPSK       | 25      | 0         | 21.43           | 21.59            | 21.49            |                    |          |  |  |  |  |
| 10              | QPSK       | 25      | 12        | 21.35           | 21.70            | 21.38            |                    |          |  |  |  |  |
| 10              | QPSK       | 25      | 24        | 21.42           | 21.71            | 21.41            | 23                 | 0.5      |  |  |  |  |
| 10              | QPSK       | 50      | 0         | 21.43           | 21.52            | 21.62            |                    |          |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 21.29           | 21.54            | 21.62            |                    |          |  |  |  |  |
| 10              | 16QAM      | 1       | 20        | 21.40           | 21.50            | 21.31            | 23                 | 0.5      |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 21.49           | 21.27            | 21.41            |                    |          |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 21.41           | 21.36            | 21.40            |                    |          |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 21.38           | 21.54            | 21.63            | 22                 | 1.5      |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 21.27           | 21.70            | 21.39            |                    |          |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 20.37           | 20.43            | 20.50            |                    |          |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 20.27           | 20.42            | 20.50            |                    |          |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 20.17           | 20.15            | 20.58            | 22                 | 1.5      |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 20.61           | 20.26            | 20.54            |                    |          |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 19.64           | 19.70            | 19.58            |                    |          |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 19.71           | 19.62            | 19.82            | 21                 | 2.5      |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 19.69           | 19.63            | 19.76            |                    |          |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 19.40           | 19.39            | 19.29            |                    |          |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 17.47           | 17.25            | 17.39            |                    |          |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 17.48           | 17.40            | 17.35            | 19                 | 4.5      |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 17.55           | 17.55            | 17.46            |                    |          |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 17.59           | 17.59            | 17.59            |                    |          |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 17.57           | 17.54            | 17.57            | 19                 | 4.5      |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 17.34           | 17.33            | 17.43            |                    |          |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 17.54           | 17.36            | 17.45            |                    |          |  |  |  |  |
| Channel         |            |         |           |                 |                  |                  |                    |          |  |  |  |  |
| Frequency (MHz) |            |         |           | 1850.5          | 1850             | 1850.5           | Turn-up limit (dB) | MPR (dB) |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 22.03           | 22.22            | 22.13            | 23.5               | 0        |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 21.92           | 22.14            | 21.90            |                    |          |  |  |  |  |
| 5               | QPSK       | 1       | 34        | 21.80           | 21.87            | 22.10            |                    |          |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 21.36           | 21.65            | 21.44            |                    |          |  |  |  |  |
| 5               | QPSK       | 12      | 7         | 21.37           | 21.53            | 21.25            | 23                 | 0.5      |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 21.46           | 21.63            | 21.48            |                    |          |  |  |  |  |
| 5               | QPSK       | 25      | 0         | 21.43           | 21.54            | 21.52            |                    |          |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 21.33           | 21.53            | 21.72            |                    |          |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 21.56           | 21.47            | 21.26            | 23                 | 0.5      |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 21.46           | 21.54            | 21.47            |                    |          |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 21.45           | 21.38            | 21.42            |                    |          |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 21.48           | 21.48            | 21.40            | 22                 | 1.5      |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 21.29           | 21.70            | 21.54            |                    |          |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 20.40           | 20.50            | 20.41            |                    |          |  |  |  |  |
| 5               | 16QAM      | 25      | 7         | 20.33           | 20.36            | 20.56            |                    |          |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 20.24           | 20.19            | 20.64            | 22                 | 1.5      |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 20.55           | 20.28            | 20.38            |                    |          |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 19.57           | 19.67            | 19.61            |                    |          |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 19.69           | 19.67            | 19.86            | 21                 | 2.5      |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 19.69           | 19.60            | 19.73            |                    |          |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 19.58           | 19.47            | 19.28            |                    |          |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 17.44           | 17.30            | 17.53            |                    |          |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 17.43           | 17.36            | 17.17            | 19                 | 4.5      |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 17.52           | 17.65            | 17.50            |                    |          |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 17.66           | 17.48            | 17.43            |                    |          |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 17.65           | 17.58            | 17.49            |                    |          |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 17.35           | 17.41            | 17.48            | 19                 | 4.5      |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 17.61           | 17.42            | 17.29            |                    |          |  |  |  |  |
| Channel         |            |         |           |                 |                  |                  |                    |          |  |  |  |  |
| Frequency (MHz) |            |         |           | 1851.5          | 1850             | 1851.5           | Turn-up limit (dB) | MPR (dB) |  |  |  |  |
| 3               | QPSK       | 1       | 0         | 22.12           | 22.38            | 22.29            | 23.5               | 0        |  |  |  |  |
| 3               | QPSK       | 1       | 14        | 21.98           | 22.10            | 22.12            |                    |          |  |  |  |  |
| 3               | QPSK       | 8       | 0         | 21.27           | 21.68            | 21.48            |                    |          |  |  |  |  |
| 3               | QPSK       | 8       | 7         | 21.36           | 21.63            | 21.55            | 23                 | 0.5      |  |  |  |  |
| 3               | QPSK       | 8       | 7         | 21.38           | 21.71            | 21.58            |                    |          |  |  |  |  |
|                 |            |         |           |                 |                  |                  |                    |          |  |  |  |  |
| 3               | QPSK       | 8       | 0         | 21.42           | 21.72            | 21.56            |                    |          |  |  |  |  |
| 3               | 16QAM      | 1       | 0         | 21.42           | 21.53            | 21.63            |                    |          |  |  |  |  |
| 3               | 16QAM      | 1       | 8         | 21.38           | 21.34            | 21.47            | 23                 | 0.5      |  |  |  |  |
| 3               | 16QAM      | 1       | 8         | 21.57           | 21.36            | 21.47            |                    |          |  |  |  |  |
| 3               | 16QAM      | 8       | 0         | 21.33           | 21.30            | 21.41            |                    |          |  |  |  |  |
| 3               | 16QAM      | 8       | 4         | 21.46           | 21.68            | 21.59            |                    |          |  |  |  |  |
| 3               | 16QAM      | 8       | 24        | 21.45           | 21.62            | 21.64            | 23                 | 0.5      |  |  |  |  |
| 3               | 16QAM      | 1       | 0         | 20.44           | 20.58            | 20.64            |                    |          |  |  |  |  |
| 3               | 16QAM      | 1       | 0         | 20.36           | 20.39            | 20.49            |                    |          |  |  |  |  |
| 3               | 16QAM      | 1       | 30        | 20.35           | 20.37            | 20.54            |                    |          |  |  |  |  |
| 3               | 16QAM      | 1       | 14        | 20.44           | 20.25            | 20.60            | 22                 | 1.5      |  |  |  |  |
| 3               | 16QAM      | 8       | 0         | 19.62           | 19.76            | 19.59            |                    |          |  |  |  |  |
| 3               | 16QAM      | 8       | 0         | 19.65           | 19.65            | 19.85            | 21                 | 2.5      |  |  |  |  |
| 3               | 16QAM      | 8       | 7         | 19.68           | 19.69            | 19.87            |                    |          |  |  |  |  |
| 3               | 16QAM      | 8       | 7         | 19.62           | 19.68            | 19.86            |                    |          |  |  |  |  |
| 3               | 16QAM      | 1       | 0         | 17.62           | 17.43            | 17.36            |                    |          |  |  |  |  |
| 3               | 16QAM      | 1       | 8         | 17.41           | 17.38            | 17.17            | 19                 | 4.5      |  |  |  |  |
| 3               | 16QAM      | 1       | 24        | 17.52           | 17.64            | 17.54            |                    |          |  |  |  |  |
| 3               | 16QAM      | 8       | 0         | 17.62           | 17.60            | 17.37            |                    |          |  |  |  |  |
| 3               | 16QAM      | 8       | 0         | 17.51           | 17.61            | 17.57            | 19                 | 4.5      |  |  |  |  |
| 3               | 16QAM      | 8       | 12        | 17.21           | 17.26            | 17.53            |                    |          |  |  |  |  |
| 3               | 16QAM      | 15      | 0         | 17.33           | 17.22            | 17.36            |                    |          |  |  |  |  |
| Channel         |            |         |           |                 |                  |                  |                    |          |  |  |  |  |
| Frequency (MHz) |            |         |           | 1800.7          | 1800             | 1800.7           | Turn-up limit (dB) | MPR (dB) |  |  |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.11           | 22.25            | 22.09            | 23.5               | 0        |  |  |  |  |
| 1.4             | QPSK       | 1       | 3         | 21.81           | 22.02            | 21.86            |                    |          |  |  |  |  |
| 1.4             | QPSK       | 3       | 0         | 21.35           | 21.82            | 21.58            |                    |          |  |  |  |  |
| 1.4             | QPSK       | 3       | 3         | 21.21           | 22.24            | 22.20            | 23.5               | 0        |  |  |  |  |
| 1.4             | QPSK       | 3       | 1         | 21.76           | 22.25            | 21.98            |                    |          |  |  |  |  |
| 1.4             | QPSK       | 3       | 1         | 21.85           | 21.99            | 21.98            |                    |          |  |  |  |  |
| 1.4             | QPSK       | 6       | 0         | 21.37           | 21.66            | 21.28            |                    |          |  |  |  |  |
| 1.4             | 16QAM      | 1       | 0         | 21.27           | 21.64            | 21.43            | 23                 | 0.5      |  |  |  |  |
| 1.4             | 16QAM      | 1       | 21        | 21.35           | 21.63            | 21.36            |                    |          |  |  |  |  |
| 1.4             | 16QAM      | 1       | 54        | 21.36           | 21.70            | 21.49            |                    |          |  |  |  |  |
| 1.4             | 16QAM      | 3       | 0         | 21.29           | 21.52            | 21.51            |                    |          |  |  |  |  |
| 1.4             | 16QAM      | 3       | 3         | 21.69           | 21.73            | 21.54            | 23                 | 0.5      |  |  |  |  |
| 1.4             | 16QAM      | 3       | 0         | 20.46           | 20.44            | 20.67            |                    |          |  |  |  |  |
| 1.4             | 16QAM      | 1       | 0         | 20.55           | 20.49            | 20.57            |                    |          |  |  |  |  |
| 1.4             | 16QAM      | 1       | 3         | 20.51           | 20.49            | 20.79            |                    |          |  |  |  |  |
| 1.4             | 16QAM      | 1       | 20        | 20.47           | 20.44            | 20.56            | 22                 | 1.5      |  |  |  |  |
| 1.4             | 16QAM      | 3       | 0         | 20.60           | 20.65</          |                  |                    |          |  |  |  |  |

| Band 4 Ant 4    |            |         |           |                     |                      |                      |                      |                    |          |     |
|-----------------|------------|---------|-----------|---------------------|----------------------|----------------------|----------------------|--------------------|----------|-----|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power Mode Ch./Freq. | Power High Ch./Freq. | Tune-up Inst. (dB) | MPE (dB) |     |
| Channel         |            |         |           |                     |                      |                      |                      |                    |          |     |
| Frequency (MHz) |            |         |           |                     |                      |                      |                      |                    |          |     |
| 20              | QPSK       | 1       | 0         | 21.16               | 21.21                | 21.24                |                      |                    |          |     |
| 20              | QPSK       | 1       | 49        | 20.95               | 21.20                | 21.08                |                      |                    |          |     |
| 20              | QPSK       | 1       | 99        | 21.22               | 21.30                | 21.12                |                      |                    | 22.6     | 0   |
| 20              | QPSK       | 50      | 24        | 21.12               | 21.20                | 21.08                |                      |                    |          |     |
| 20              | QPSK       | 50      | 24        | 21.12               | 21.10                | 21.10                |                      |                    | 22.6     | 0   |
| 20              | QPSK       | 50      | 50        | 21.12               | 21.20                | 21.14                |                      |                    |          |     |
| 20              | QPSK       | 100     | 0         | 20.95               | 21.07                | 21.03                |                      |                    |          |     |
| 20              | 16QAM      | 1       | 0         | 21.20               | 21.21                | 21.20                |                      |                    |          |     |
| 20              | 16QAM      | 1       | 49        | 21.06               | 21.05                | 21.10                |                      |                    | 22.6     | 0   |
| 20              | 16QAM      | 1       | 99        | 21.16               | 21.27                | 21.21                |                      |                    |          |     |
| 20              | 16QAM      | 50      | 0         | 20.92               | 20.70                | 20.81                |                      |                    |          |     |
| 20              | 16QAM      | 50      | 24        | 20.73               | 20.76                | 20.84                |                      |                    | 22       | 0.6 |
| 20              | 16QAM      | 50      | 24        | 20.70               | 20.76                | 20.82                |                      |                    |          |     |
| 20              | 16QAM      | 100     | 0         | 20.69               | 20.51                | 20.69                |                      |                    |          |     |
| 20              | 64QAM      | 1       | 0         | 20.93               | 20.51                | 20.72                |                      |                    | 22       | 0.6 |
| 20              | 64QAM      | 1       | 99        | 20.68               | 20.42                | 20.66                |                      |                    |          |     |
| 20              | 64QAM      | 50      | 0         | 19.93               | 19.72                | 19.90                |                      |                    |          |     |
| 20              | 64QAM      | 50      | 24        | 19.55               | 19.86                | 19.79                |                      |                    | 21       | 1.6 |
| 20              | 64QAM      | 50      | 50        | 19.79               | 19.72                | 20.01                |                      |                    |          |     |
| 20              | 64QAM      | 100     | 0         | 19.06               | 19.87                | 19.45                |                      |                    |          |     |
| 20              | 256QAM     | 1       | 0         | 17.59               | 17.56                | 17.68                |                      |                    |          |     |
| 20              | 256QAM     | 1       | 49        | 17.73               | 17.70                | 17.55                |                      |                    | 19       | 3.6 |
| 20              | 256QAM     | 1       | 99        | 18.01               | 17.66                | 17.59                |                      |                    |          |     |
| 20              | 256QAM     | 50      | 0         | 17.60               | 17.54                | 17.68                |                      |                    |          |     |
| 20              | 256QAM     | 50      | 24        | 17.61               | 17.54                | 17.61                |                      |                    | 19       | 3.6 |
| 20              | 256QAM     | 50      | 50        | 17.68               | 17.43                | 17.72                |                      |                    |          |     |
| 20              | 256QAM     | 100     | 0         | 17.56               | 17.77                | 17.53                |                      |                    |          |     |
| Channel         |            |         |           |                     |                      |                      |                      |                    |          |     |
| Frequency (MHz) |            |         |           |                     |                      |                      |                      |                    |          |     |
| 15              | QPSK       | 1       | 0         | 21.09               | 21.19                | 21.16                |                      |                    |          |     |
| 15              | QPSK       | 1       | 49        | 21.20               | 21.18                | 21.02                |                      |                    | 22.6     | 0   |
| 15              | QPSK       | 1       | 74        | 21.22               | 21.18                | 21.02                |                      |                    |          |     |
| 15              | QPSK       | 36      | 0         | 21.07               | 21.08                | 21.02                |                      |                    |          |     |
| 15              | QPSK       | 36      | 36        | 21.08               | 21.01                | 21.11                |                      |                    | 22.6     | 0   |
| 15              | QPSK       | 36      | 36        | 21.14               | 21.10                | 21.14                |                      |                    |          |     |
| 15              | QPSK       | 75      | 0         | 20.79               | 21.05                | 21.05                |                      |                    |          |     |
| 15              | 16QAM      | 1       | 0         | 20.99               | 21.14                | 21.04                |                      |                    |          |     |
| 15              | 16QAM      | 1       | 37        | 21.05               | 20.85                | 21.02                |                      |                    | 22.6     | 0   |
| 15              | 16QAM      | 1       | 74        | 21.06               | 21.20                | 21.18                |                      |                    |          |     |
| 15              | 16QAM      | 36      | 0         | 20.44               | 20.65                | 20.65                |                      |                    |          |     |
| 15              | 16QAM      | 36      | 20        | 20.73               | 20.63                | 20.63                |                      |                    | 22       | 0.6 |
| 15              | 16QAM      | 36      | 20        | 20.63               | 20.65                | 20.65                |                      |                    |          |     |
| 15              | 16QAM      | 75      | 0         | 20.53               | 20.38                | 20.63                |                      |                    |          |     |
| 15              | 64QAM      | 1       | 0         | 20.75               | 20.31                | 20.42                |                      |                    |          |     |
| 15              | 64QAM      | 1       | 37        | 20.53               | 20.44                | 20.44                |                      |                    | 22       | 0.6 |
| 15              | 64QAM      | 1       | 74        | 20.54               | 20.27                | 20.61                |                      |                    |          |     |
| 15              | 64QAM      | 36      | 0         | 19.48               | 19.70                | 19.42                |                      |                    |          |     |
| 15              | 64QAM      | 36      | 20        | 19.55               | 19.65                | 19.65                |                      |                    | 21       | 1.6 |
| 15              | 64QAM      | 36      | 36        | 19.63               | 19.61                | 19.61                |                      |                    |          |     |
| 15              | 64QAM      | 75      | 0         | 19.58               | 19.83                | 19.58                |                      |                    |          |     |
| 15              | 256QAM     | 1       | 0         | 17.75               | 17.66                | 17.66                |                      |                    |          |     |
| 15              | 256QAM     | 1       | 37        | 17.69               | 17.57                | 17.63                |                      |                    | 19       | 3.6 |
| 15              | 256QAM     | 1       | 74        | 18.01               | 17.66                | 17.74                |                      |                    |          |     |
| 15              | 256QAM     | 36      | 0         | 17.41               | 17.54                | 17.68                |                      |                    |          |     |
| 15              | 256QAM     | 36      | 20        | 17.65               | 17.50                | 17.73                |                      |                    | 19       | 3.6 |
| 15              | 256QAM     | 36      | 20        | 17.55               | 17.50                | 17.55                |                      |                    |          |     |
| 15              | 256QAM     | 75      | 0         | 17.38               | 17.57                | 17.49                |                      |                    |          |     |
| Channel         |            |         |           |                     |                      |                      |                      |                    |          |     |
| Frequency (MHz) |            |         |           |                     |                      |                      |                      |                    |          |     |
| 10              | QPSK       | 1       | 0         | 20.98               | 21.18                | 21.05                |                      |                    |          |     |
| 10              | QPSK       | 1       | 25        | 20.75               | 21.17                | 20.94                |                      |                    | 22.6     | 0   |
| 10              | QPSK       | 1       | 50        | 21.20               | 21.15                | 21.08                |                      |                    |          |     |
| 10              | QPSK       | 25      | 0         | 21.22               | 21.14                | 21.04                |                      |                    |          |     |
| 10              | QPSK       | 25      | 12        | 20.94               | 20.95                | 21.07                |                      |                    | 22.6     | 0   |
| 10              | QPSK       | 25      | 12        | 21.07               | 21.02                | 21.02                |                      |                    |          |     |
| 10              | QPSK       | 50      | 0         | 20.93               | 21.02                | 20.91                |                      |                    |          |     |
| 10              | 16QAM      | 1       | 0         | 21.02               | 21.00                | 21.15                |                      |                    | 22.6     | 0   |
| 10              | 16QAM      | 25      | 0         | 20.90               | 20.98                | 21.04                |                      |                    |          |     |
| 10              | 16QAM      | 1       | 49        | 20.96               | 21.17                | 21.21                |                      |                    |          |     |
| 10              | 16QAM      | 25      | 0         | 20.40               | 20.58                | 20.62                |                      |                    |          |     |
| 10              | 16QAM      | 25      | 0         | 20.74               | 20.76                | 20.69                |                      |                    | 22       | 0.6 |
| 10              | 16QAM      | 25      | 20        | 20.67               | 20.62                | 20.55                |                      |                    |          |     |
| 10              | 16QAM      | 50      | 0         | 20.63               | 20.61                | 20.67                |                      |                    |          |     |
| 10              | 64QAM      | 1       | 0         | 20.81               | 20.91                | 20.76                |                      |                    |          |     |
| 10              | 64QAM      | 1       | 25        | 21.04               | 20.95                | 20.92                |                      |                    | 22       | 0.6 |
| 10              | 64QAM      | 1       | 49        | 20.83               | 20.74                | 20.83                |                      |                    |          |     |
| 10              | 64QAM      | 25      | 0         | 19.52               | 19.88                | 19.84                |                      |                    |          |     |
| 10              | 64QAM      | 25      | 12        | 19.77               | 19.65                | 19.63                |                      |                    | 21       | 1.6 |
| 10              | 64QAM      | 25      | 25        | 19.80               | 19.74                | 19.82                |                      |                    |          |     |
| 10              | 64QAM      | 50      | 0         | 19.45               | 19.85                | 19.81                |                      |                    |          |     |
| 10              | 256QAM     | 1       | 0         | 17.46               | 17.53                | 17.41                |                      |                    |          |     |
| 10              | 256QAM     | 25      | 0         | 17.57               | 17.54                | 17.58                |                      |                    | 19       | 3.6 |
| 10              | 256QAM     | 1       | 49        | 17.80               | 17.59                | 17.64                |                      |                    |          |     |
| 10              | 256QAM     | 25      | 0         | 17.48               | 17.50                | 17.54                |                      |                    |          |     |
| 10              | 256QAM     | 25      | 12        | 17.47               | 17.68                | 17.67                |                      |                    | 19       | 3.6 |
| 10              | 256QAM     | 25      | 25        | 17.56               | 17.38                | 17.57                |                      |                    |          |     |
| 10              | 256QAM     | 50      | 0         | 17.54               | 17.56                | 17.51                |                      |                    |          |     |
| Channel         |            |         |           |                     |                      |                      |                      |                    |          |     |
| Frequency (MHz) |            |         |           |                     |                      |                      |                      |                    |          |     |
| 5               | QPSK       | 1       | 0         | 20.97               | 21.17                | 21.04                |                      |                    |          |     |
| 5               | QPSK       | 1       | 12        | 20.85               | 21.00                | 21.05                |                      |                    | 22.6     | 0   |
| 5               | QPSK       | 1       | 24        | 21.01               | 21.11                | 21.13                |                      |                    |          |     |
| 5               | QPSK       | 12      | 0         | 21.06               | 21.02                | 21.02                |                      |                    |          |     |
| 5               | QPSK       | 12      | 7         | 21.05               | 20.88                | 21.12                |                      |                    | 22.6     | 0   |
| 5               | QPSK       | 12      | 13        | 21.05               | 21.11                | 21.04                |                      |                    |          |     |
| 5               | QPSK       | 25      | 0         | 21.08               | 21.04                | 20.98                |                      |                    |          |     |
| 5               | 16QAM      | 1       | 0         | 21.08               | 21.20                | 21.28                |                      |                    |          |     |
| 5               | 16QAM      | 1       | 12        | 20.99               | 20.88                | 21.08                |                      |                    | 22.6     | 0   |
| 5               | 16QAM      | 1       | 24        | 21.12               | 21.08                | 21.04                |                      |                    |          |     |
| 5               | 16QAM      | 12      | 0         | 20.42               | 20.73                | 20.63                |                      |                    |          |     |
| 5               | 16QAM      | 12      | 7         | 20.59               | 20.65                | 20.62                |                      |                    | 22       | 0.6 |
| 5               | 16QAM      | 12      | 13        | 20.60               | 20.58                | 20.59                |                      |                    |          |     |
| 5               | 16QAM      | 25      | 0         | 20.56               | 20.59                | 20.69                |                      |                    |          |     |
| 5               | 64QAM      | 1       | 0         | 20.62               | 20.58                | 20.61                |                      |                    |          |     |
| 5               | 64QAM      | 1       | 12        | 20.47               | 20.46                | 20.61                |                      |                    | 22       | 0.6 |
| 5               | 64QAM      | 1       | 24        | 20.48               | 20.27                | 20.62                |                      |                    |          |     |
| 5               | 64QAM      | 12      | 7         | 19.53               | 19.68                | 19.59                |                      |                    | 21       | 1.6 |
| 5               | 64QAM      | 12      | 7         | 19.55               | 19.67                | 19.65                |                      |                    |          |     |
| 5               | 64QAM      | 12      | 13        | 19.68               | 19.57                | 19.66                |                      |                    |          |     |
| 5               | 64QAM      | 25      | 0         | 19.93               | 19.77                | 19.81                |                      |                    |          |     |
| 5               | 256QAM     | 1       | 0         | 17.66               | 18.06                | 17.82                |                      |                    | 19       | 3.6 |
| 5               | 256QAM     | 1       | 12        | 17.68               | 17.67                | 17.68                |                      |                    |          |     |
| 5               | 256QAM     | 1       | 24        | 17.74               | 17.58                | 17.62                |                      |                    |          |     |
| 5               | 256QAM     | 12      | 0         | 17.55               | 17.33                | 17.74                |                      |                    |          |     |
| 5               | 256QAM     | 12      | 7         | 17.49               | 17.47                | 17.60                |                      |                    | 19       | 3.6 |
| 5               | 256QAM     | 12      | 13        | 17.54               | 17.25                | 17.73                |                      |                    |          |     |
| 5               | 256QAM     | 25      | 0         | 17.46               | 17.79                | 17.53                |                      |                    |          |     |
| Channel         |            |         |           |                     |                      |                      |                      |                    |          |     |
| Frequency (MHz) |            |         |           |                     |                      |                      |                      |                    |          |     |
| 1.4             | QPSK       | 1       | 0         | 21.15               | 21.17                | 21.15                |                      |                    |          |     |
| 1.4             | QPSK       | 1       | 8         | 21.15               | 21.15                | 21.05                |                      |                    | 22.6     | 0   |
| 1.4             | QPSK       | 1       | 14        | 21.14               | 21.15                | 21.09                |                      |                    |          |     |
| 1.4             | QPSK       | 8       | 0         | 21.10               | 21.09                | 20.97                |                      |                    |          |     |
| 1.4             | QPSK       | 8       | 4         | 21.05               | 21.02                | 20.98                |                      |                    | 22.6     | 0   |
| 1.4             | QPSK       | 8       | 7         | 21.02               | 21.02                | 21.12                |                      |                    |          |     |
| 1.4             | QPSK       | 15      | 0         | 20.86               | 21.03                | 20.88                |                      |                    |          |     |
| 1.4             | 16QAM      | 1       | 0         | 21.04               | 21.07                | 21.24                |                      |                    |          |     |
| 1.4             | 16QAM      | 1       | 8         | 20.95               | 20.83                | 21.01                |                      |                    | 22.6     | 0   |
| 1.4             | 16QAM      | 1       | 14        | 21.17               | 21.17                | 21.15                |                      |                    |          |     |
| 1.4             | 16QAM      | 8       | 0         | 20.46               | 20.54                | 20.75                |                      |                    |          |     |
| 1.4             | 16QAM      | 8       | 4         | 20.59               | 20.57                | 20.62                |                      |                    | 22       | 0.6 |
| 1.4             | 16QAM      | 8       | 7         | 20.57               | 20.61                | 20.62                |                      |                    |          |     |
| 1.4             | 16QAM      | 15      | 0         | 20.69               | 20.51                | 20.67                |                      |                    |          |     |
| 1.4             | 64QAM      | 1       | 0         | 20.70               | 20.86                | 20.66                |                      |                    |          |     |
| 1.4             | 64QAM      | 8       | 0         | 20.81               | 20.98                | 20.98                |                      |                    | 22       | 0.6 |
| 1.4             | 64QAM      | 1       | 14        | 20.99               | 20.83                | 20.73                |                      |                    |          |     |
| 1.4             | 64QAM      | 8       | 0         | 19.43               | 19.72                | 19.47                |                      |                    |          |     |
| 1.4             | 64QAM      | 8       | 4         | 19.14               | 19.76                | 19.78                |                      |                    | 21       | 1.6 |
| 1.4             | 64QAM      | 8       | 7         | 19.78               | 19.61                | 19.66                |                      |                    |          |     |
| 1.4             | 64QAM      | 15      | 0         | 19.63               | 19.62                | 19.38                |                      |                    |          |     |
| 1.4             | 256QAM     | 1       | 0         | 17.43               | 17.58                | 17.35                |                      |                    |          |     |
| 1.4             | 256QAM     | 1       | 8         | 17.64               | 17.68                | 17.52                |                      |                    | 19       | 3.6 |
| 1.4             | 256QAM     | 1       | 14        | 17.83               | 17.62                | 17.48                |                      |                    |          |     |
| 1.4             | 256QAM     | 8       | 0         | 17.38               | 17.41                | 17.71                |                      |                    |          |     |

Reduced Power Mode for Other PA DS17

| Band 2 Ant 1    |            |         |           |         |                       |                            |                        |                    |          |     | Band 4 Ant 1    |            |         |           |         |                       |                            |                        |                    |          |     |
|-----------------|------------|---------|-----------|---------|-----------------------|----------------------------|------------------------|--------------------|----------|-----|-----------------|------------|---------|-----------|---------|-----------------------|----------------------------|------------------------|--------------------|----------|-----|
| BW (MHz)        | Modulation | RB Size | RB Offset | Channel | Power Low Freq. (MHz) | Power Mode Ch. Freq. (MHz) | Power High Freq. (MHz) | Turn-up limit (dB) | MPR (dB) |     | BW (MHz)        | Modulation | RB Size | RB Offset | Channel | Power Low Freq. (MHz) | Power Mode Ch. Freq. (MHz) | Power High Freq. (MHz) | Turn-up limit (dB) | MPR (dB) |     |
| Channel         |            |         |           |         |                       |                            |                        |                    |          |     | Channel         |            |         |           |         |                       |                            |                        |                    |          |     |
| Frequency (MHz) |            |         |           |         |                       |                            |                        |                    |          |     | Frequency (MHz) |            |         |           |         |                       |                            |                        |                    |          |     |
| 20              | QPSK       | 1       | 0         | 20.31   | 20.33                 | 20.31                      |                        |                    |          |     | 20              | QPSK       | 1       | 0         | 20.26   | 20.35                 | 20.19                      |                        |                    |          |     |
| 20              | QPSK       | 1       | 49        | 20.28   | 20.23                 | 20.29                      |                        |                    | 21.5     | 0   | 20              | QPSK       | 1       | 49        | 20.28   | 20.34                 | 20.29                      |                        |                    | 21.5     | 0   |
| 20              | QPSK       | 1       | 99        | 20.28   | 20.31                 | 20.33                      |                        |                    |          |     | 20              | QPSK       | 1       | 99        | 20.28   | 20.34                 | 20.33                      |                        |                    |          |     |
| 20              | QPSK       | 80      | 0         | 20.19   | 20.34                 | 20.28                      |                        |                    |          |     | 20              | QPSK       | 80      | 0         | 20.30   | 20.34                 | 20.20                      |                        |                    |          |     |
| 20              | QPSK       | 80      | 24        | 20.27   | 20.33                 | 20.34                      |                        |                    |          |     | 20              | QPSK       | 80      | 24        | 20.30   | 20.34                 | 20.20                      |                        |                    |          |     |
| 20              | QPSK       | 80      | 50        | 20.18   | 20.24                 | 20.27                      |                        |                    |          |     | 20              | QPSK       | 80      | 50        | 20.22   | 20.22                 | 20.31                      |                        |                    | 21.5     | 0   |
| 20              | QPSK       | 100     | 0         | 20.32   | 20.33                 | 20.36                      |                        |                    |          |     | 20              | QPSK       | 100     | 0         | 20.30   | 20.32                 | 20.31                      |                        |                    |          |     |
| 20              | 16QAM      | 1       | 0         | 20.31   | 20.29                 | 20.31                      |                        |                    |          |     | 20              | 16QAM      | 1       | 0         | 20.27   | 20.33                 | 20.27                      |                        |                    |          |     |
| 20              | 16QAM      | 1       | 49        | 20.29   | 20.34                 | 20.30                      |                        |                    | 21.5     | 0   | 20              | 16QAM      | 1       | 49        | 20.23   | 20.28                 | 20.32                      |                        |                    | 21.5     | 0   |
| 20              | 16QAM      | 1       | 99        | 20.23   | 20.34                 | 20.20                      |                        |                    |          |     | 20              | 16QAM      | 1       | 99        | 20.26   | 20.27                 | 20.20                      |                        |                    |          |     |
| 20              | 16QAM      | 50      | 0         | 20.27   | 20.28                 | 20.32                      |                        |                    |          |     | 20              | 16QAM      | 50      | 0         | 20.28   | 20.28                 | 20.32                      |                        |                    |          |     |
| 20              | 16QAM      | 50      | 24        | 20.32   | 20.28                 | 20.31                      |                        |                    |          |     | 20              | 16QAM      | 50      | 24        | 20.22   | 20.26                 | 20.30                      |                        |                    | 21.5     | 0   |
| 20              | 16QAM      | 50      | 50        | 20.31   | 20.35                 | 20.29                      |                        |                    |          |     | 20              | 16QAM      | 50      | 50        | 20.25   | 20.30                 | 20.29                      |                        |                    |          |     |
| 20              | 16QAM      | 100     | 0         | 20.23   | 20.34                 | 20.21                      |                        |                    |          |     | 20              | 16QAM      | 100     | 0         | 20.25   | 20.31                 | 20.21                      |                        |                    |          |     |
| 20              | 64QAM      | 1       | 0         | 20.21   | 20.32                 | 20.21                      |                        |                    |          |     | 20              | 64QAM      | 1       | 0         | 20.27   | 20.28                 | 20.22                      |                        |                    |          |     |
| 20              | 64QAM      | 1       | 49        | 20.30   | 20.25                 | 20.25                      |                        |                    | 21.5     | 0   | 20              | 64QAM      | 1       | 49        | 20.24   | 20.28                 | 20.24                      |                        |                    | 21.5     | 0   |
| 20              | 64QAM      | 1       | 99        | 20.31   | 20.23                 | 20.29                      |                        |                    |          |     | 20              | 64QAM      | 1       | 99        | 20.23   | 20.28                 | 20.23                      |                        |                    |          |     |
| 20              | 64QAM      | 50      | 0         | 19.92   | 19.93                 | 19.93                      |                        |                    |          |     | 20              | 64QAM      | 50      | 0         | 19.91   | 19.73                 | 19.93                      |                        |                    |          |     |
| 20              | 64QAM      | 50      | 24        | 19.71   | 19.65                 | 19.81                      |                        |                    |          |     | 20              | 64QAM      | 50      | 24        | 19.71   | 19.73                 | 19.81                      |                        |                    |          |     |
| 20              | 64QAM      | 50      | 50        | 19.64   | 19.66                 | 19.74                      |                        |                    | 21       | 0.5 | 20              | 64QAM      | 50      | 50        | 19.69   | 19.64                 | 19.73                      |                        |                    | 21       | 0.3 |
| 20              | 64QAM      | 100     | 0         | 19.63   | 19.45                 | 19.49                      |                        |                    |          |     | 20              | 64QAM      | 100     | 0         | 19.66   | 19.75                 | 19.66                      |                        |                    |          |     |
| 20              | 256QAM     | 1       | 0         | 17.65   | 17.45                 | 17.65                      |                        |                    |          |     | 20              | 256QAM     | 1       | 0         | 17.65   | 17.45                 | 17.65                      |                        |                    |          |     |
| 20              | 256QAM     | 1       | 49        | 17.65   | 17.47                 | 17.39                      |                        |                    | 19       | 2.5 | 20              | 256QAM     | 1       | 49        | 17.72   | 17.87                 | 17.70                      |                        |                    | 19       | 2.3 |
| 20              | 256QAM     | 1       | 99        | 17.60   | 17.74                 | 17.54                      |                        |                    |          |     | 20              | 256QAM     | 1       | 99        | 17.77   | 17.77                 | 17.88                      |                        |                    |          |     |
| 20              | 256QAM     | 50      | 0         | 17.66   | 17.61                 | 17.54                      |                        |                    |          |     | 20              | 256QAM     | 50      | 0         | 17.77   | 17.75                 | 17.86                      |                        |                    |          |     |
| 20              | 256QAM     | 50      | 24        | 17.66   | 17.67                 | 17.67                      |                        |                    |          |     | 20              | 256QAM     | 50      | 24        | 17.80   | 17.83                 | 17.87                      |                        |                    |          |     |
| 20              | 256QAM     | 50      | 50        | 17.42   | 17.42                 | 17.54                      |                        |                    |          |     | 20              | 256QAM     | 50      | 50        | 17.77   | 17.74                 | 17.78                      |                        |                    |          |     |
| 20              | 256QAM     | 100     | 0         | 17.61   | 17.42                 | 17.46                      |                        |                    |          |     | 20              | 256QAM     | 100     | 0         | 17.76   | 17.76                 | 17.88                      |                        |                    |          |     |
| Channel         |            |         |           |         |                       |                            |                        |                    |          |     | Channel         |            |         |           |         |                       |                            |                        |                    |          |     |
| Frequency (MHz) |            |         |           |         |                       |                            |                        |                    |          |     | Frequency (MHz) |            |         |           |         |                       |                            |                        |                    |          |     |
| 15              | QPSK       | 1       | 0         | 20.24   | 20.25                 | 20.24                      |                        |                    | 21.5     | 0   | 15              | QPSK       | 1       | 0         | 20.22   | 20.20                 | 20.23                      |                        |                    | 21.5     | 0   |
| 15              | QPSK       | 1       | 37        | 20.23   | 20.17                 | 20.19                      |                        |                    |          |     | 15              | QPSK       | 1       | 37        | 20.19   | 20.28                 | 20.20                      |                        |                    | 21.5     | 0   |
| 15              | QPSK       | 1       | 74        | 20.19   | 20.25                 | 20.13                      |                        |                    |          |     | 15              | QPSK       | 1       | 74        | 20.14   | 20.29                 | 20.16                      |                        |                    |          |     |
| 15              | QPSK       | 36      | 0         | 20.14   | 20.28                 | 20.20                      |                        |                    | 21.5     | 0   | 15              | QPSK       | 36      | 0         | 20.24   | 20.24                 | 20.19                      |                        |                    |          |     |
| 15              | QPSK       | 36      | 24        | 20.15   | 20.18                 | 20.24                      |                        |                    |          |     | 15              | QPSK       | 36      | 24        | 20.24   | 20.21                 | 20.24                      |                        |                    |          |     |
| 15              | QPSK       | 36      | 50        | 20.14   | 20.18                 | 20.13                      |                        |                    |          |     | 15              | QPSK       | 36      | 50        | 20.26   | 20.29                 | 20.17                      |                        |                    |          |     |
| 15              | QPSK       | 75      | 0         | 20.12   | 20.27                 | 20.21                      |                        |                    |          |     | 15              | QPSK       | 75      | 0         | 20.19   | 20.27                 | 20.24                      |                        |                    |          |     |
| 15              | 16QAM      | 1       | 0         | 20.18   | 20.27                 | 20.23                      |                        |                    | 21.5     | 0   | 15              | 16QAM      | 1       | 0         | 20.18   | 20.24                 | 20.23                      |                        |                    | 21.5     | 0   |
| 15              | 16QAM      | 1       | 37        | 20.19   | 20.20                 | 20.17                      |                        |                    |          |     | 15              | 16QAM      | 1       | 37        | 20.19   | 20.20                 | 20.17                      |                        |                    |          |     |
| 15              | 16QAM      | 1       | 74        | 20.18   | 20.22                 | 20.24                      |                        |                    |          |     | 15              | 16QAM      | 1       | 74        | 20.20   | 20.26                 | 20.21                      |                        |                    |          |     |
| 15              | 16QAM      | 36      | 0         | 20.25   | 20.24                 | 20.25                      |                        |                    |          |     | 15              | 16QAM      | 36      | 0         | 20.19   | 20.28                 | 20.21                      |                        |                    |          |     |
| 15              | 16QAM      | 36      | 20        | 20.20   | 20.20                 | 20.18                      |                        |                    |          |     | 15              | 16QAM      | 36      | 20        | 20.20   | 20.26                 | 20.18                      |                        |                    | 21.5     | 0   |
| 15              | 16QAM      | 36      | 50        | 20.25   | 20.19                 | 20.18                      |                        |                    |          |     | 15              | 16QAM      | 36      | 50        | 20.14   | 20.18                 | 20.30                      |                        |                    |          |     |
| 15              | 16QAM      | 75      | 0         | 20.25   | 20.19                 | 20.18                      |                        |                    |          |     | 15              | 16QAM      | 75      | 0         | 20.21   | 20.25                 | 20.18                      |                        |                    |          |     |
| 15              | 64QAM      | 1       | 0         | 20.18   | 20.21                 | 20.18                      |                        |                    |          |     | 15              | 64QAM      | 1       | 0         | 20.18   | 20.25                 | 20.23                      |                        |                    |          |     |
| 15              | 64QAM      | 1       | 37        | 20.21   | 20.17                 | 20.24                      |                        |                    | 21.5     | 0   | 15              | 64QAM      | 1       | 37        | 20.17   | 20.26                 | 20.17                      |                        |                    | 21.5     | 0   |
| 15              | 64QAM      | 1       | 74        | 20.18   | 20.17                 | 20.24                      |                        |                    |          |     | 15              | 64QAM      | 1       | 74        | 20.27   | 20.24                 | 20.16                      |                        |                    |          |     |
| 15              | 64QAM      | 36      | 0         | 19.62   | 19.75                 | 19.51                      |                        |                    |          |     | 15              | 64QAM      | 36      | 0         | 19.63   | 19.65                 | 19.72                      |                        |                    |          |     |
| 15              | 64QAM      | 36      | 20        | 19.62   | 19.64                 | 19.69                      |                        |                    | 21       | 0.5 | 15              | 64QAM      | 36      | 20        | 19.63   | 19.65                 | 19.72                      |                        |                    | 21       | 0.3 |
| 15              | 64QAM      | 36      | 50        | 19.63   | 19.59                 | 19.67                      |                        |                    |          |     | 15              | 64QAM      | 36      | 50        | 19.61   | 19.64                 | 19.71                      |                        |                    |          |     |
| 15              | 64QAM      | 75      | 0         | 19.58   | 19.58                 | 19.28                      |                        |                    |          |     | 15              | 64QAM      | 75      | 0         | 19.57   | 19.66                 | 19.61                      |                        |                    |          |     |
| 15              | 256QAM     | 1       | 0         | 17.64   | 17.38                 | 17.61                      |                        |                    |          |     | 15              | 256QAM     | 1       | 0         | 17.61   | 17.67                 | 17.50                      |                        |                    |          |     |
| 15              | 256QAM     | 1       | 37        | 17.44   | 17.38                 | 17.25                      |                        |                    | 19       | 2.5 | 15              | 256QAM     | 1       | 37        | 17.44   | 17.38                 | 17.25                      |                        |                    |          |     |
| 15              | 256QAM     | 36      | 0         | 17.44   | 17.34                 | 17.34                      |                        |                    |          |     | 15              | 256QAM     | 36      | 0         | 17.47   | 17.47                 | 17.58                      |                        |                    |          |     |
| 15              | 256QAM     | 36      | 20        | 17.45   | 17.39                 | 17.53                      |                        |                    |          |     | 15              | 256QAM     | 36      | 20        | 17.51   | 17.57                 | 17.51                      |                        |                    |          |     |
| 15              | 256QAM     | 36      | 50        | 17.42   | 17.33                 | 17.33                      |                        |                    | 19       | 2.5 | 15              | 256QAM     | 36      | 50        | 17.42   | 17.43                 | 17.47                      |                        |                    | 19       | 2.3 |
| 15              | 256QAM     | 75      | 0         | 17.38   | 17.37                 | 17.23                      |                        |                    |          |     | 15              | 256QAM     | 75      | 0         | 17.35   | 17.51                 | 17.51                      |                        |                    |          |     |
| Channel         |            |         |           |         |                       |                            |                        |                    |          |     | Channel         |            |         |           |         |                       |                            |                        |                    |          |     |
| Frequency (MHz) |            |         |           |         |                       |                            |                        |                    |          |     | Frequency (MHz) |            |         |           |         |                       |                            |                        |                    |          |     |
| 10              | QPSK       | 1       | 0         | 20.15   | 20.29                 | 20.14                      |                        |                    | 21.5     | 0   | 10              | QPSK       | 1       | 0         | 20.24   | 20.21                 | 20.14                      |                        |                    |          |     |
| 10              | QPSK       | 1       | 25        | 20.24   | 20.18                 | 20.22                      |                        |                    |          |     | 10              | QPSK       | 1       | 25        | 20.23   | 20.19                 | 20.22                      |                        |                    | 21.5     | 0   |
| 10              | QPSK       | 1       | 49        | 20.15   | 20.25                 | 20.14                      |                        |                    |          |     | 10              | QPSK       | 1       | 49        | 20.19   | 20.28                 | 20.19                      |                        |                    |          |     |
| 10              | QPSK       | 25      | 0         | 20.13   | 20.20                 | 20.25                      |                        |                    |          |     | 10              | QPSK       | 25      | 0         | 20.19   | 20.22                 | 20.27                      |                        |                    |          |     |
| 10              | QPSK       | 25      | 12        | 20.17   | 20.21                 | 20.20                      |                        |                    |          |     | 10              | QPSK       | 25      | 12        | 20.17   | 20.18                 | 20.24                      |                        |                    | 21.5     | 0   |
| 10              | QPSK       | 25      | 37        | 20.23   | 20.23                 | 20.18                      |                        |                    |          |     | 10              | QPSK       | 25      | 37        | 20.21   | 20.22                 | 20.24                      |                        |                    |          |     |
| 10              | QPSK       | 50      | 0         | 20.12   | 20.20                 | 20.12                      |                        |                    |          |     | 10              | QPSK       | 50      | 0         | 20.19   | 20.29                 | 20.17                      |                        |                    |          |     |
| 10              | 16QAM      | 1       | 0         | 20.21   | 20.18                 | 20.17                      |                        |                    | 21.5     | 0   | 10              | 16QAM      | 1       | 0         | 20.19   | 20.19                 | 20.17                      |                        |                    |          |     |
| 10              | 16QAM      | 1       | 25        | 20.24   | 20.23                 | 20.21                      |                        |                    |          |     | 10              | 16QAM      | 1       | 25        | 20.18   | 20.25                 | 20.19                      |                        |                    | 21.5     | 0   |
| 10              | 16QAM      | 1       | 49        | 20.24   | 20.28                 | 20.14                      |                        |                    |          |     | 10              | 16QAM      | 1       | 49        | 20.26   | 20.29                 | 20.21                      |                        |                    |          |     |
| 10              | 16QAM      | 25      | 0         | 20.23   | 20.19                 | 20.12                      |                        |                    |          |     | 10              | 16QAM      | 25      | 0         | 20.19   | 20.18                 | 20.24                      |                        |                    |          |     |
| 10              | 16QAM      | 25      | 12        | 20.12   | 20.18                 | 20.18                      |                        |                    | 21.5     | 0   | 10              | 16QAM      | 25      | 12        | 20.21   | 20.23                 | 20.24                      |                        |                    | 21.5     | 0   |
| 10              | 16QAM      | 25      | 37        | 20.13   | 20.27                 | 20.24                      |                        |                    |          |     | 10              | 16QAM      | 25      | 37        | 20.17   | 20.26                 | 20.21                      |                        |                    |          |     |
| 10              | 16QAM      | 50      | 0         | 20.24   | 20.24                 | 20.13                      |                        |                    |          |     | 10              | 16QAM      | 50      | 0         | 20.15   | 20.25                 | 20.23                      |                        |                    |          |     |
| 10              | 64QAM      | 1       | 0         | 20.24   | 20.24                 | 20.13                      |                        |                    | 21.5     | 0   | 10              | 64QAM      | 1       | 0         | 20.14   | 20.22                 | 20.23                      |                        |                    | 21.5     | 0   |
| 10              | 64QAM      | 1       | 25        | 20.24   | 20.27                 | 20.21                      |                        |                    |          |     | 10              | 64QAM      | 1       | 25        | 20.24   | 20.27                 | 20.21                      |                        |                    |          |     |
| 10              | 64QAM      | 1       | 49        | 20.25   | 20.23                 | 20.15                      |                        |                    |          |     | 10              | 64QAM      | 1       | 49        | 20.15   | 20.18                 | 20.30                      |                        |                    |          |     |
| 10              | 64QAM      | 25      | 0         | 19.53   | 19.64                 | 19.52                      |                        |                    |          |     | 10              | 64QAM      | 25      | 0         | 19.53   | 19.                   |                            |                        |                    |          |     |

| Band 4 Ant 4 Sig Path 420 |            |         |           |                     |                      |                      |                      |              |          |  |
|---------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|----------------------|--------------|----------|--|
| BW (MHz)                  | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power Mode Ch / Freq | Power High Ch / Freq | Turn-up (dB) | MPE (dB) |  |
| Channel                   |            |         |           |                     |                      |                      |                      |              |          |  |
| Frequency (MHz)           | 1          | 0       | 1720      | 1732.5              | 1745                 |                      |                      |              |          |  |
| 20 QPSK                   | 1          | 0       | 1720      | 1732.5              | 1745                 |                      |                      |              |          |  |
| 20 QPSK                   | 1          | 49      | 14.94     | 14.93               | 15.00                |                      |                      | 16.3         | 0        |  |
| 20 QPSK                   | 1          | 99      | 14.94     | 14.93               | 15.00                |                      |                      |              |          |  |
| 20 QPSK                   | 50         | 0       | 14.94     | 14.93               | 15.00                |                      |                      |              |          |  |
| 20 QPSK                   | 50         | 24      | 14.99     | 14.97               | 15.00                |                      |                      | 16.3         | 0        |  |
| 20 QPSK                   | 50         | 50      | 14.96     | 14.97               | 15.00                |                      |                      |              |          |  |
| 20 QPSK                   | 100        | 0       | 14.94     | 14.93               | 15.00                |                      |                      |              |          |  |
| 20 16QAM                  | 1          | 0       | 14.94     | 15.01               | 15.00                |                      |                      | 16.3         | 0        |  |
| 20 16QAM                  | 1          | 49      | 14.96     | 15.00               | 14.98                |                      |                      |              |          |  |
| 20 16QAM                  | 1          | 99      | 14.96     | 15.00               | 14.98                |                      |                      |              |          |  |
| 20 16QAM                  | 50         | 0       | 15.00     | 14.93               | 15.00                |                      |                      | 16.3         | 0        |  |
| 20 16QAM                  | 50         | 24      | 14.94     | 14.93               | 14.96                |                      |                      |              |          |  |
| 20 16QAM                  | 50         | 50      | 14.98     | 14.98               | 14.98                |                      |                      |              |          |  |
| 20 16QAM                  | 100        | 0       | 14.98     | 14.98               | 15.01                |                      |                      |              |          |  |
| 20 8QAM                   | 1          | 0       | 14.92     | 14.93               | 14.99                |                      |                      | 16.3         | 0        |  |
| 20 8QAM                   | 1          | 49      | 15.07     | 14.97               | 14.95                |                      |                      |              |          |  |
| 20 8QAM                   | 1          | 99      | 14.97     | 14.99               | 14.96                |                      |                      |              |          |  |
| 20 8QAM                   | 50         | 0       | 14.94     | 15.00               | 15.00                |                      |                      | 16.3         | 0        |  |
| 20 8QAM                   | 50         | 24      | 14.90     | 15.01               | 14.87                |                      |                      |              |          |  |
| 20 8QAM                   | 50         | 50      | 14.87     | 14.94               | 14.92                |                      |                      |              |          |  |
| 20 8QAM                   | 100        | 0       | 14.89     | 14.95               | 15.01                |                      |                      |              |          |  |
| 20 256QAM                 | 1          | 0       | 14.91     | 15.00               | 14.91                |                      |                      | 16.3         | 0        |  |
| 20 256QAM                 | 1          | 49      | 14.99     | 14.97               | 14.87                |                      |                      |              |          |  |
| 20 256QAM                 | 1          | 99      | 14.89     | 14.91               | 14.89                |                      |                      |              |          |  |
| 20 256QAM                 | 50         | 0       | 14.89     | 14.93               | 14.99                |                      |                      | 16.3         | 0        |  |
| 20 256QAM                 | 50         | 24      | 14.86     | 14.93               | 14.86                |                      |                      |              |          |  |
| 20 256QAM                 | 50         | 50      | 14.88     | 15.03               | 14.88                |                      |                      |              |          |  |
| 20 256QAM                 | 100        | 0       | 14.89     | 15.01               | 14.88                |                      |                      |              |          |  |
| Channel                   |            |         |           |                     |                      |                      |                      |              |          |  |
| Frequency (MHz)           | 1          | 0       | 1717.5    | 1732.5              | 1747.5               |                      |                      |              |          |  |
| 15 QPSK                   | 1          | 0       | 14.88     | 14.92               | 14.84                |                      |                      | 16.3         | 0        |  |
| 15 QPSK                   | 1          | 37      | 14.86     | 14.93               | 14.87                |                      |                      |              |          |  |
| 15 QPSK                   | 1          | 74      | 14.83     | 14.93               | 14.87                |                      |                      |              |          |  |
| 15 QPSK                   | 36         | 0       | 14.88     | 14.97               | 14.87                |                      |                      | 16.3         | 0        |  |
| 15 QPSK                   | 36         | 36      | 14.88     | 14.98               | 14.88                |                      |                      |              |          |  |
| 15 QPSK                   | 36         | 72      | 14.85     | 14.88               | 14.89                |                      |                      |              |          |  |
| 15 QPSK                   | 75         | 0       | 14.95     | 14.96               | 14.87                |                      |                      | 16.3         | 0        |  |
| 15 16QAM                  | 1          | 0       | 14.87     | 14.93               | 14.92                |                      |                      |              |          |  |
| 15 16QAM                  | 1          | 37      | 14.91     | 14.93               | 14.89                |                      |                      | 16.3         | 0        |  |
| 15 16QAM                  | 1          | 74      | 14.87     | 14.96               | 14.82                |                      |                      |              |          |  |
| 15 16QAM                  | 36         | 0       | 14.88     | 14.95               | 14.82                |                      |                      |              |          |  |
| 15 16QAM                  | 36         | 20      | 14.93     | 14.98               | 14.89                |                      |                      | 16.3         | 0        |  |
| 15 16QAM                  | 36         | 36      | 14.88     | 14.98               | 14.89                |                      |                      |              |          |  |
| 15 16QAM                  | 75         | 0       | 14.92     | 14.97               | 14.94                |                      |                      |              |          |  |
| 15 8QAM                   | 1          | 0       | 14.91     | 14.91               | 14.85                |                      |                      | 16.3         | 0        |  |
| 15 8QAM                   | 1          | 37      | 14.86     | 14.91               | 14.85                |                      |                      |              |          |  |
| 15 8QAM                   | 1          | 74      | 14.83     | 14.97               | 14.84                |                      |                      |              |          |  |
| 15 8QAM                   | 36         | 0       | 14.90     | 14.96               | 14.82                |                      |                      | 16.3         | 0        |  |
| 15 8QAM                   | 36         | 20      | 14.85     | 14.92               | 14.85                |                      |                      |              |          |  |
| 15 8QAM                   | 36         | 36      | 14.83     | 14.90               | 14.88                |                      |                      |              |          |  |
| 15 8QAM                   | 75         | 0       | 14.85     | 14.92               | 14.88                |                      |                      | 16.3         | 0        |  |
| 15 256QAM                 | 1          | 0       | 14.85     | 14.92               | 14.85                |                      |                      |              |          |  |
| 15 256QAM                 | 1          | 37      | 14.83     | 14.93               | 14.83                |                      |                      | 16.3         | 0        |  |
| 15 256QAM                 | 1          | 74      | 14.84     | 14.92               | 14.81                |                      |                      |              |          |  |
| 15 256QAM                 | 36         | 0       | 14.92     | 14.95               | 14.87                |                      |                      |              |          |  |
| 15 256QAM                 | 36         | 20      | 14.82     | 14.87               | 14.84                |                      |                      | 16.3         | 0        |  |
| 15 256QAM                 | 36         | 36      | 14.85     | 14.92               | 14.87                |                      |                      |              |          |  |
| 15 256QAM                 | 75         | 0       | 14.81     | 14.85               | 14.89                |                      |                      |              |          |  |
| Channel                   |            |         |           |                     |                      |                      |                      |              |          |  |
| Frequency (MHz)           | 1          | 0       | 2000.0    | 2017.5              | 2035.0               |                      |                      |              |          |  |
| 10 QPSK                   | 1          | 0       | 14.94     | 14.94               | 14.92                |                      |                      | 16.3         | 0        |  |
| 10 QPSK                   | 1          | 25      | 14.90     | 14.92               | 14.94                |                      |                      |              |          |  |
| 10 QPSK                   | 1          | 50      | 14.86     | 14.91               | 14.94                |                      |                      | 16.3         | 0        |  |
| 10 QPSK                   | 25         | 0       | 14.90     | 14.93               | 14.93                |                      |                      |              |          |  |
| 10 QPSK                   | 25         | 12      | 14.94     | 14.85               | 14.92                |                      |                      | 16.3         | 0        |  |
| 10 QPSK                   | 25         | 25      | 14.88     | 14.93               | 14.93                |                      |                      |              |          |  |
| 10 QPSK                   | 50         | 0       | 14.88     | 14.97               | 14.91                |                      |                      | 16.3         | 0        |  |
| 10 16QAM                  | 1          | 0       | 14.89     | 14.86               | 14.82                |                      |                      |              |          |  |
| 10 16QAM                  | 1          | 25      | 14.93     | 14.92               | 14.93                |                      |                      | 16.3         | 0        |  |
| 10 16QAM                  | 1          | 49      | 14.85     | 14.98               | 14.88                |                      |                      |              |          |  |
| 10 16QAM                  | 25         | 0       | 14.85     | 14.96               | 14.87                |                      |                      | 16.3         | 0        |  |
| 10 16QAM                  | 25         | 12      | 14.90     | 14.88               | 14.87                |                      |                      |              |          |  |
| 10 16QAM                  | 25         | 25      | 14.95     | 14.89               | 14.84                |                      |                      |              |          |  |
| 10 16QAM                  | 50         | 0       | 14.82     | 14.91               | 14.81                |                      |                      | 16.3         | 0        |  |
| 10 8QAM                   | 1          | 0       | 14.92     | 14.84               | 14.92                |                      |                      |              |          |  |
| 10 8QAM                   | 1          | 25      | 14.82     | 14.89               | 14.90                |                      |                      | 16.3         | 0        |  |
| 10 8QAM                   | 1          | 49      | 14.85     | 14.91               | 14.81                |                      |                      |              |          |  |
| 10 8QAM                   | 25         | 0       | 14.87     | 14.94               | 14.88                |                      |                      | 16.3         | 0        |  |
| 10 8QAM                   | 25         | 12      | 14.93     | 14.84               | 14.84                |                      |                      |              |          |  |
| 10 8QAM                   | 25         | 25      | 14.91     | 14.84               | 14.91                |                      |                      |              |          |  |
| 10 256QAM                 | 1          | 0       | 14.85     | 14.89               | 14.85                |                      |                      | 16.3         | 0        |  |
| 10 256QAM                 | 1          | 25      | 14.94     | 14.89               | 14.88                |                      |                      |              |          |  |
| 10 256QAM                 | 25         | 0       | 14.85     | 14.88               | 14.82                |                      |                      |              |          |  |
| Channel                   |            |         |           |                     |                      |                      |                      |              |          |  |
| Frequency (MHz)           | 1          | 0       | 1997.5    | 2017.5              | 2037.5               |                      |                      |              |          |  |
| 5 QPSK                    | 1          | 0       | 14.81     | 14.86               | 14.86                |                      |                      | 16.3         | 0        |  |
| 5 QPSK                    | 1          | 12      | 14.88     | 14.97               | 14.88                |                      |                      |              |          |  |
| 5 QPSK                    | 1          | 24      | 14.81     | 14.84               | 14.88                |                      |                      | 16.3         | 0        |  |
| 5 QPSK                    | 12         | 0       | 14.86     | 14.93               | 14.86                |                      |                      |              |          |  |
| 5 QPSK                    | 12         | 7       | 14.85     | 14.87               | 14.87                |                      |                      | 16.3         | 0        |  |
| 5 QPSK                    | 12         | 13      | 14.82     | 14.92               | 14.91                |                      |                      |              |          |  |
| 5 QPSK                    | 25         | 0       | 14.82     | 14.87               | 14.84                |                      |                      |              |          |  |
| 5 16QAM                   | 1          | 0       | 14.85     | 14.94               | 14.86                |                      |                      | 16.3         | 0        |  |
| 5 16QAM                   | 1          | 12      | 14.83     | 14.89               | 14.83                |                      |                      |              |          |  |
| 5 16QAM                   | 1          | 24      | 14.91     | 14.86               | 14.86                |                      |                      |              |          |  |
| 5 16QAM                   | 12         | 0       | 14.88     | 14.87               | 14.87                |                      |                      | 16.3         | 0        |  |
| 5 16QAM                   | 12         | 7       | 14.80     | 14.95               | 14.86                |                      |                      |              |          |  |
| 5 16QAM                   | 12         | 13      | 14.81     | 14.86               | 14.89                |                      |                      |              |          |  |
| 5 16QAM                   | 25         | 0       | 14.85     | 14.86               | 14.81                |                      |                      | 16.3         | 0        |  |
| 5 8QAM                    | 1          | 0       | 14.84     | 14.87               | 14.81                |                      |                      |              |          |  |
| 5 8QAM                    | 1          | 12      | 14.81     | 14.85               | 14.87                |                      |                      | 16.3         | 0        |  |
| 5 8QAM                    | 1          | 24      | 14.91     | 14.84               | 14.90                |                      |                      |              |          |  |
| 5 8QAM                    | 12         | 0       | 14.84     | 14.86               | 14.86                |                      |                      | 16.3         | 0        |  |
| 5 8QAM                    | 12         | 7       | 14.88     | 14.87               | 14.89                |                      |                      |              |          |  |
| 5 8QAM                    | 12         | 13      | 14.92     | 14.87               | 14.88                |                      |                      |              |          |  |
| 5 8QAM                    | 25         | 0       | 14.82     | 14.87               | 14.83                |                      |                      | 16.3         | 0        |  |
| 5 256QAM                  | 1          | 0       | 14.82     | 14.85               | 14.88                |                      |                      |              |          |  |
| 5 256QAM                  | 1          | 12      | 14.80     | 14.89               | 14.83                |                      |                      |              |          |  |
| 5 256QAM                  | 1          | 24      | 14.82     | 14.88               | 14.93                |                      |                      | 16.3         | 0        |  |
| 5 256QAM                  | 12         | 0       | 14.81     | 14.87               | 14.80                |                      |                      |              |          |  |
| 5 256QAM                  | 12         | 7       | 14.82     | 14.89               | 14.83                |                      |                      |              |          |  |
| 5 256QAM                  | 12         | 13      | 14.91     | 14.82               | 14.85                |                      |                      | 16.3         | 0        |  |
| 5 256QAM                  | 25         | 0       | 14.86     | 14.91               | 14.81                |                      |                      |              |          |  |
| Channel                   |            |         |           |                     |                      |                      |                      |              |          |  |
| Frequency (MHz)           | 1          | 0       | 1711.5    | 1732.5              | 1753.5               |                      |                      |              |          |  |
| 1.4 QPSK                  | 1          | 0       | 14.92     | 14.94               | 14.85                |                      |                      | 16.3         | 0        |  |
| 1.4 QPSK                  | 1          | 3       | 14.89     | 14.95               | 14.91                |                      |                      |              |          |  |
| 1.4 QPSK                  | 1          | 6       | 14.85     | 14.96               | 14.93                |                      |                      |              |          |  |
| 1.4 QPSK                  | 3          | 0       | 14.87     | 14.95               | 14.93                |                      |                      | 16.3         | 0        |  |
| 1.4 QPSK                  | 3          | 1       | 14.92     | 14.95               | 14.94                |                      |                      |              |          |  |
| 1.4 QPSK                  | 3          | 3       | 14.91     | 14.92               | 14.84                |                      |                      |              |          |  |
| 1.4 QPSK                  | 6          | 0       | 14.85     | 14.89               | 14.89                |                      |                      | 16.3         | 0        |  |
| 1.4 16QAM                 | 1          | 0       | 14.90     | 14.97               | 14.86                |                      |                      |              |          |  |
| 1.4 16QAM                 | 1          | 3       | 14.82     | 14.97               | 14.86                |                      |                      | 16.3         | 0        |  |
| 1.4 16QAM                 | 1          | 6       | 14.84     | 14.92               | 14.86                |                      |                      |              |          |  |
| 1.4 16QAM                 | 3          | 0       | 14.94     | 14.92               | 14.84                |                      |                      |              |          |  |
| 1.4 16QAM                 | 3          | 3       | 14.82     | 14.93               | 14.85                |                      |                      | 16.3         | 0        |  |
| 1.4 16QAM                 | 3          | 6       | 14.85     | 14.95               | 14.88                |                      |                      |              |          |  |
| 1.4 16QAM                 | 6          | 0       | 14.81     | 14.95               | 14.87                |                      |                      |              |          |  |
| 1.4 16QAM                 | 6          | 3       | 14.86     | 14.88               | 14.86                |                      |                      | 16.3         | 0        |  |
| 1.4 16QAM                 | 6          | 6       | 14.81     | 14.92               | 14.83                |                      |                      |              |          |  |
| 1.4 16QAM                 | 3          | 1       | 14.82     | 14.92               | 14.83                |                      |                      |              |          |  |
| 1.4 16QAM                 | 3          | 3       | 14.80     | 14.90               | 14.81                |                      |                      | 16.3         | 0        |  |
| 1.4 16QAM                 | 3          | 6       | 14.85     | 14.95               | 14.88                |                      |                      |              |          |  |
| 1.4 256QAM                | 1          | 0       | 14.81     | 14.95               | 14.87                |                      |                      | 16.3         | 0        |  |
| 1.4 256QAM                | 1          | 3       | 14.86     | 14.88               | 14.86                |                      |                      |              |          |  |
| 1.4 256QAM                | 1          | 6       | 14.81     | 14.92               | 14.83                |                      |                      |              |          |  |
| 1.4 256QAM                | 3          | 0       | 14.89     | 14.95               | 14.89                |                      |                      | 16.3         | 0        |  |
| 1.4 256QAM                | 3          | 1       | 14.89     | 14.95               | 14.89                |                      |                      |              |          |  |
| 1.4 256QAM                | 3          | 3       | 14.86     | 14.93               | 14.86                |                      |                      |              |          |  |
| 1.4 256QAM                | 6          | 0       | 14.85     | 14.94               | 14.84                |                      |                      | 16.3         | 0        |  |

| Band 7 Ant 4 |
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## Full &amp; Default Power

| Band 5 Ant 0    |            |         |           |                           |                           |                            |               |          |  |  |  |  |
|-----------------|------------|---------|-----------|---------------------------|---------------------------|----------------------------|---------------|----------|--|--|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch./Freq. 20450 | Power Med Ch./Freq. 20625 | Power High Ch./Freq. 20660 | Tune-up (dBm) | MPR (dB) |  |  |  |  |
| Channel         |            |         |           |                           |                           |                            |               |          |  |  |  |  |
| Frequency (MHz) |            |         |           |                           |                           |                            |               |          |  |  |  |  |
| 10              | QPSK       | 1       | 0         | 22.73                     | 22.93                     | 22.77                      | 24            | 0        |  |  |  |  |
| 10              | QPSK       | 1       | 25        | 22.49                     | 22.72                     | 22.72                      |               |          |  |  |  |  |
| 10              | QPSK       | 1       | 49        | 22.73                     | 22.77                     | 22.77                      |               |          |  |  |  |  |
| 10              | QPSK       | 25      | 0         | 21.89                     | 21.94                     | 21.91                      |               |          |  |  |  |  |
| 10              | QPSK       | 25      | 12        | 21.86                     | 21.76                     | 21.91                      | 23            | 1        |  |  |  |  |
| 10              | QPSK       | 25      | 25        | 21.86                     | 21.85                     | 21.87                      |               |          |  |  |  |  |
| 10              | QPSK       | 50      | 0         | 21.72                     | 21.92                     | 21.78                      |               |          |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 21.78                     | 22.05                     | 21.83                      |               |          |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 21.84                     | 21.75                     | 21.95                      | 23            | 1        |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 21.89                     | 21.83                     | 21.91                      |               |          |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 21.01                     | 20.88                     | 20.87                      |               |          |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 20.85                     | 20.88                     | 20.88                      |               |          |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 20.90                     | 20.76                     | 20.75                      | 22            | 2        |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 20.90                     | 20.69                     | 21.02                      |               |          |  |  |  |  |
| 10              | 64QAM      | 1       | 0         | 20.94                     | 20.94                     | 20.80                      |               |          |  |  |  |  |
| 10              | 64QAM      | 1       | 25        | 20.89                     | 20.81                     | 20.89                      |               |          |  |  |  |  |
| 10              | 64QAM      | 1       | 49        | 20.93                     | 20.71                     | 20.72                      | 22            | 2        |  |  |  |  |
| 10              | 64QAM      | 25      | 0         | 19.77                     | 19.75                     | 19.63                      |               |          |  |  |  |  |
| 10              | 64QAM      | 25      | 12        | 19.79                     | 19.77                     | 20.05                      |               |          |  |  |  |  |
| 10              | 64QAM      | 25      | 25        | 19.74                     | 19.93                     | 19.81                      |               |          |  |  |  |  |
| 10              | 64QAM      | 50      | 0         | 19.75                     | 19.68                     | 19.89                      | 21            | 3        |  |  |  |  |
| 10              | 256QAM     | 1       | 0         | 17.94                     | 17.87                     | 17.85                      |               |          |  |  |  |  |
| 10              | 256QAM     | 1       | 25        | 18.01                     | 17.91                     | 18.04                      |               |          |  |  |  |  |
| 10              | 256QAM     | 1       | 49        | 18.01                     | 17.81                     | 17.95                      |               |          |  |  |  |  |
| 10              | 256QAM     | 25      | 0         | 17.75                     | 17.82                     | 17.81                      | 19            | 5        |  |  |  |  |
| 10              | 256QAM     | 25      | 12        | 18.07                     | 17.71                     | 17.87                      |               |          |  |  |  |  |
| 10              | 256QAM     | 25      | 25        | 17.86                     | 17.73                     | 17.95                      |               |          |  |  |  |  |
| 10              | 256QAM     | 50      | 0         | 17.91                     | 17.96                     | 17.93                      |               |          |  |  |  |  |
| Channel         |            |         |           |                           |                           |                            |               |          |  |  |  |  |
| Frequency (MHz) |            |         |           |                           |                           |                            |               |          |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 22.62                     | 22.75                     | 22.65                      | 24            | 0        |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 22.45                     | 22.84                     | 22.72                      |               |          |  |  |  |  |
| 5               | QPSK       | 1       | 24        | 22.71                     | 22.65                     | 22.70                      |               |          |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 21.84                     | 21.80                     | 21.74                      |               |          |  |  |  |  |
| 5               | QPSK       | 12      | 7         | 21.80                     | 21.67                     | 21.92                      | 23            | 1        |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 21.80                     | 21.69                     | 21.78                      |               |          |  |  |  |  |
| 5               | QPSK       | 25      | 0         | 21.54                     | 21.86                     | 21.65                      |               |          |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 21.59                     | 21.89                     | 21.64                      |               |          |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 21.84                     | 21.80                     | 21.78                      | 23            | 1        |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 21.69                     | 21.81                     | 21.76                      |               |          |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 20.87                     | 20.68                     | 20.81                      |               |          |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 20.85                     | 20.62                     | 20.89                      |               |          |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 20.86                     | 20.75                     | 20.98                      | 22            | 2        |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 20.75                     | 20.70                     | 20.94                      |               |          |  |  |  |  |
| 5               | 64QAM      | 1       | 0         | 20.91                     | 20.78                     | 20.81                      |               |          |  |  |  |  |
| 5               | 64QAM      | 1       | 12        | 20.77                     | 20.69                     | 20.88                      |               |          |  |  |  |  |
| 5               | 64QAM      | 1       | 24        | 20.91                     | 20.53                     | 20.85                      | 22            | 2        |  |  |  |  |
| 5               | 64QAM      | 12      | 0         | 19.76                     | 19.54                     | 19.59                      |               |          |  |  |  |  |
| 5               | 64QAM      | 12      | 7         | 19.76                     | 19.77                     | 19.92                      |               |          |  |  |  |  |
| 5               | 64QAM      | 12      | 13        | 19.64                     | 19.72                     | 19.83                      |               |          |  |  |  |  |
| 5               | 64QAM      | 25      | 0         | 19.71                     | 19.67                     | 19.76                      | 21            | 3        |  |  |  |  |
| 5               | 256QAM     | 1       | 0         | 17.79                     | 17.92                     | 17.87                      |               |          |  |  |  |  |
| 5               | 256QAM     | 1       | 12        | 17.95                     | 17.80                     | 18.06                      |               |          |  |  |  |  |
| 5               | 256QAM     | 1       | 24        | 18.01                     | 17.73                     | 17.85                      |               |          |  |  |  |  |
| 5               | 256QAM     | 12      | 0         | 17.66                     | 17.62                     | 17.73                      | 19            | 5        |  |  |  |  |
| 5               | 256QAM     | 12      | 7         | 17.60                     | 17.70                     | 17.88                      |               |          |  |  |  |  |
| 5               | 256QAM     | 12      | 13        | 17.84                     | 17.59                     | 17.78                      |               |          |  |  |  |  |
| 5               | 256QAM     | 25      | 0         | 17.75                     | 17.85                     | 17.92                      |               |          |  |  |  |  |
| Channel         |            |         |           |                           |                           |                            |               |          |  |  |  |  |
| Frequency (MHz) |            |         |           |                           |                           |                            |               |          |  |  |  |  |
| 3               | QPSK       | 1       | 0         | 22.61                     | 22.87                     | 22.75                      | 24            | 0        |  |  |  |  |
| 3               | QPSK       | 1       | 8         | 22.39                     | 22.71                     | 22.70                      |               |          |  |  |  |  |
| 3               | QPSK       | 1       | 14        | 22.53                     | 22.57                     | 22.71                      |               |          |  |  |  |  |
| 3               | QPSK       | 8       | 0         | 21.64                     | 21.90                     | 21.80                      |               |          |  |  |  |  |
| 3               | QPSK       | 8       | 4         | 21.69                     | 21.67                     | 21.68                      | 23            | 1        |  |  |  |  |
| 3               | QPSK       | 8       | 7         | 21.85                     | 21.70                     | 21.86                      |               |          |  |  |  |  |
| 3               | QPSK       | 15      | 0         | 21.51                     | 21.96                     | 21.69                      |               |          |  |  |  |  |
| 3               | 16QAM      | 1       | 0         | 21.74                     | 21.87                     | 21.83                      |               |          |  |  |  |  |
| 3               | 16QAM      | 1       | 8         | 21.85                     | 21.54                     | 21.96                      | 23            | 1        |  |  |  |  |
| 3               | 16QAM      | 1       | 14        | 21.70                     | 21.82                     | 21.74                      |               |          |  |  |  |  |
| 3               | 16QAM      | 8       | 0         | 21.00                     | 20.90                     | 20.51                      |               |          |  |  |  |  |
| 3               | 16QAM      | 8       | 4         | 20.79                     | 20.81                     | 20.72                      |               |          |  |  |  |  |
| 3               | 16QAM      | 8       | 7         | 20.70                     | 20.75                     | 20.73                      | 22            | 2        |  |  |  |  |
| 3               | 16QAM      | 15      | 0         | 20.79                     | 20.66                     | 20.95                      |               |          |  |  |  |  |
| 3               | 64QAM      | 1       | 0         | 20.81                     | 20.78                     | 20.78                      |               |          |  |  |  |  |
| 3               | 64QAM      | 1       | 8         | 20.69                     | 20.75                     | 20.73                      |               |          |  |  |  |  |
| 3               | 64QAM      | 1       | 14        | 20.89                     | 20.54                     | 20.73                      | 22            | 2        |  |  |  |  |
| 3               | 64QAM      | 8       | 0         | 19.70                     | 19.74                     | 19.58                      |               |          |  |  |  |  |
| 3               | 64QAM      | 8       | 4         | 19.70                     | 19.75                     | 20.06                      |               |          |  |  |  |  |
| 3               | 64QAM      | 8       | 7         | 19.68                     | 19.73                     | 19.76                      |               |          |  |  |  |  |
| 3               | 64QAM      | 15      | 0         | 19.77                     | 19.61                     | 19.94                      | 21            | 3        |  |  |  |  |
| 3               | 256QAM     | 1       | 0         | 17.79                     | 17.94                     | 17.80                      |               |          |  |  |  |  |
| 3               | 256QAM     | 1       | 8         | 17.97                     | 17.71                     | 18.00                      |               |          |  |  |  |  |
| 3               | 256QAM     | 1       | 14        | 17.88                     | 17.73                     | 17.74                      |               |          |  |  |  |  |
| 3               | 256QAM     | 8       | 0         | 17.76                     | 17.72                     | 17.78                      | 19            | 5        |  |  |  |  |
| 3               | 256QAM     | 8       | 4         | 17.89                     | 17.51                     | 17.93                      |               |          |  |  |  |  |
| 3               | 256QAM     | 8       | 7         | 17.72                     | 17.74                     | 17.80                      |               |          |  |  |  |  |
| 3               | 256QAM     | 15      | 0         | 17.71                     | 17.88                     | 17.73                      |               |          |  |  |  |  |
| Channel         |            |         |           |                           |                           |                            |               |          |  |  |  |  |
| Frequency (MHz) |            |         |           |                           |                           |                            |               |          |  |  |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.52                     | 22.78                     | 22.76                      | 24            | 0        |  |  |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.51                     | 22.87                     | 22.74                      |               |          |  |  |  |  |
| 1.4             | QPSK       | 1       | 5         | 22.44                     | 22.65                     | 22.58                      |               |          |  |  |  |  |
| 1.4             | QPSK       | 3       | 0         | 22.64                     | 22.89                     | 22.85                      |               |          |  |  |  |  |
| 1.4             | QPSK       | 3       | 1         | 22.50                     | 22.77                     | 22.54                      | 23            | 1        |  |  |  |  |
| 1.4             | QPSK       | 3       | 3         | 22.59                     | 22.72                     | 22.84                      |               |          |  |  |  |  |
| 1.4             | QPSK       | 6       | 0         | 21.91                     | 21.85                     | 21.77                      |               |          |  |  |  |  |
| 1.4             | 16QAM      | 1       | 0         | 21.71                     | 21.87                     | 21.87                      |               |          |  |  |  |  |
| 1.4             | 16QAM      | 1       | 3         | 21.69                     | 21.84                     | 21.76                      | 23            | 1        |  |  |  |  |
| 1.4             | 16QAM      | 1       | 5         | 21.80                     | 21.78                     | 21.82                      |               |          |  |  |  |  |
| 1.4             | 16QAM      | 3       | 0         | 21.68                     | 21.65                     | 21.70                      |               |          |  |  |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.60                     | 21.79                     | 21.84                      |               |          |  |  |  |  |
| 1.4             | 16QAM      | 3       | 3         | 21.59                     | 21.50                     | 21.59                      | 22            | 2        |  |  |  |  |
| 1.4             | 16QAM      | 6       | 0         | 20.67                     | 20.59                     | 20.91                      |               |          |  |  |  |  |
| 1.4             | 64QAM      | 1       | 0         | 20.63                     | 20.81                     | 20.64                      |               |          |  |  |  |  |
| 1.4             | 64QAM      | 1       | 3         | 20.74                     | 20.58                     | 20.80                      |               |          |  |  |  |  |
| 1.4             | 64QAM      | 1       | 5         | 20.81                     | 20.64                     | 20.62                      | 22            | 2        |  |  |  |  |
| 1.4             | 64QAM      | 3       | 0         | 20.77                     | 20.64                     | 20.95                      |               |          |  |  |  |  |
| 1.4             | 64QAM      | 3       | 1         | 20.74                     | 20.78                     | 20.78                      |               |          |  |  |  |  |
| 1.4             | 64QAM      | 3       | 3         | 20.88                     | 20.54                     | 20.86                      |               |          |  |  |  |  |
| 1.4             | 64QAM      | 6       | 0         | 19.58                     | 19.57                     | 19.74                      | 21            | 3        |  |  |  |  |
| 1.4             | 256QAM     | 1       | 0         | 17.94                     | 17.80                     | 17.78                      |               |          |  |  |  |  |
| 1.4             | 256QAM     | 1       | 3         | 18.03                     | 17.79                     | 17.86                      |               |          |  |  |  |  |
| 1.4             | 256QAM     | 1       | 5         | 17.88                     | 17.81                     | 17.83                      |               |          |  |  |  |  |
| 1.4             | 256QAM     | 3       | 0         | 17.70                     | 17.70                     | 17.81                      | 19            | 5        |  |  |  |  |
| 1.4             | 256QAM     | 3       | 1         | 18.02                     | 17.63                     | 17.92                      |               |          |  |  |  |  |
| 1.4             | 256QAM     | 3       | 3         | 17.70                     | 17.63                     | 17.81                      |               |          |  |  |  |  |
| 1.4             | 256QAM     | 6       | 0         | 17.84                     | 17.73                     | 17.69                      |               |          |  |  |  |  |

| Band 26 Ant 0   |            |         |           |                             |                             |                              |               |          |  |
|-----------------|------------|---------|-----------|-----------------------------|-----------------------------|------------------------------|---------------|----------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 26665 | Power Med Ch. / Freq. 26765 | Power High Ch. / Freq. 26865 | Tune-up (dBm) | MPR (dB) |  |
| Channel         |            |         |           |                             |                             |                              |               |          |  |
| Frequency (MHz) |            |         |           |                             |                             |                              |               |          |  |
| 15              | QPSK       | 1       | 0         | 22.72                       | 23.01                       | 22.85                        | 24            | 0        |  |
| 15              | QPSK       | 1       | 37        | 22.82                       | 22.71                       | 22.51                        |               |          |  |
| 15              | QPSK       | 1       | 74        | 22.66                       | 22.81                       | 22.77                        |               |          |  |
| 15              | QPSK       | 36      | 0         | 21.67                       | 21.84                       | 21.65                        |               |          |  |
| 15              | QPSK       | 36      | 20        | 21.71                       | 21.84                       | 21.75                        | 23            | 1        |  |
| 15              | QPSK       | 36      | 39        | 21.72                       | 21.79                       | 21.80                        | 23            | 1        |  |
| 15              | QPSK       | 1       | 0         | 21.61                       | 21.79                       | 21.71                        |               |          |  |
| 15              | QPSK       | 1       | 37        | 21.60                       | 21.68                       | 21.66                        |               |          |  |
| 15              | QPSK       | 1       | 74        | 21.56                       | 21.68                       | 21.66                        |               |          |  |
| 15              | QPSK       | 1       | 74        | 21.67                       | 21.70                       | 21.84                        | 22            | 2        |  |
| 15              | QPSK       | 1       | 0         | 20.86                       | 20.66                       | 20.73                        |               |          |  |
| 15              | QPSK       | 36      | 20        | 20.72                       | 20.60                       | 20.68                        |               |          |  |
| 15              | QPSK       | 36      | 39        | 20.83                       | 20.90                       | 20.77                        |               |          |  |
| 15              | QPSK       | 75      | 0         | 20.83                       | 20.81                       | 20.85                        | 21            |          |  |
| 15              | QPSK       | 1       | 0         | 20.74                       | 20.73                       | 20.73                        |               |          |  |
| 15              | QPSK       | 1       | 74        | 20.79                       | 20.70                       | 20.78                        |               |          |  |
| 15              | QPSK       | 36      | 0         | 20.68                       | 20.62                       | 20.87                        |               |          |  |
| 15              | QPSK       | 36      | 20        | 19.91                       | 19.72                       | 19.90                        | 21            |          |  |
| 15              | QPSK       | 36      | 39        | 19.83                       | 19.84                       | 19.81                        |               |          |  |
| 15              | QPSK       | 36      | 74        | 19.72                       | 19.62                       | 19.88                        |               |          |  |
| 15              | QPSK       | 75      | 0         | 19.75                       | 19.81                       | 19.78                        |               |          |  |
| 15              | 256QAM     | 1       | 0         | 17.56                       | 17.61                       | 17.66                        | 19            | 5        |  |
| 15              | 256QAM     | 1       | 37        | 17.64                       | 17.83                       | 17.85                        |               |          |  |
| 15              | 256QAM     | 1       | 74        | 17.73                       | 17.78                       | 17.82                        |               |          |  |
| 15              | 256QAM     | 36      | 0         | 17.63                       | 17.50                       | 17.64                        |               |          |  |
| 15              | 256QAM     | 36      | 20        | 17.78                       | 17.56                       | 17.62                        | 19            | 5        |  |
| 15              | 256QAM     | 36      | 39        | 17.70                       | 17.75                       | 17.78                        |               |          |  |
| 15              | 256QAM     | 75      | 0         | 17.62                       | 17.72                       | 17.66                        |               |          |  |
| 15              | 256QAM     | Channel |           | 17.63                       | 17.63                       | 17.63                        |               |          |  |
| Channel         |            |         |           |                             |                             |                              |               |          |  |
| Frequency (MHz) |            |         |           |                             |                             |                              |               |          |  |
| 10              | QPSK       | 1       | 0         | 22.63                       | 22.87                       | 22.77                        | 24            | 0        |  |
| 10              | QPSK       | 1       | 25        | 22.73                       | 22.65                       | 22.40                        |               |          |  |
| 10              | QPSK       | 1       | 49        | 22.58                       | 22.71                       | 22.71                        |               |          |  |
| 10              | QPSK       | 25      | 12        | 21.67                       | 21.61                       | 21.58                        |               |          |  |
| 10              | QPSK       | 25      | 12        | 21.73                       | 21.59                       | 21.61                        | 23            | 1        |  |
| 10              | QPSK       | 25      | 25        | 21.64                       | 21.70                       | 21.62                        |               |          |  |
| 10              | QPSK       | 50      | 0         | 21.55                       | 21.80                       | 21.58                        |               |          |  |
| 10              | QPSK       | 50      | 25        | 21.56                       | 21.54                       | 21.45                        |               |          |  |
| 10              | 16QAM      | 1       | 25        | 21.53                       | 21.60                       | 21.84                        | 23            | 1        |  |
| 10              | 16QAM      | 1       | 49        | 21.47                       | 21.66                       | 21.84                        |               |          |  |
| 10              | 16QAM      | 25      | 0         | 20.77                       | 20.46                       | 20.73                        |               |          |  |
| 10              | 16QAM      | 25      | 12        | 20.60                       | 20.60                       | 20.60                        |               |          |  |
| 10              | 16QAM      | 50      | 0         | 20.78                       | 20.64                       | 20.66                        | 22            | 2        |  |
| 10              | 8QAM       | 1       | 0         | 20.56                       | 20.71                       | 20.62                        |               |          |  |
| 10              | 8QAM       | 1       | 25        | 20.74                       | 20.59                       | 20.63                        |               |          |  |
| 10              | 8QAM       | 1       | 49        | 20.58                       | 20.69                       | 20.89                        |               |          |  |
| 10              | 8QAM       | 25      | 0         | 19.91                       | 19.60                       | 19.73                        | 21            |          |  |
| 10              | 8QAM       | 25      | 12        | 19.64                       | 19.71                       | 18.61                        |               |          |  |
| 10              | 8QAM       | 25      | 25        | 19.54                       | 19.60                       | 19.78                        |               |          |  |
| 10              | 8QAM       | 50      | 0         | 19.75                       | 19.60                       | 19.63                        |               |          |  |
| 10              | 256QAM     | 1       | 0         | 17.50                       | 17.50                       | 17.53                        | 19            | 5        |  |
| 10              | 256QAM     | 1       | 25        | 17.47                       | 17.82                       | 17.76                        |               |          |  |
| 10              | 256QAM     | 1       | 49        | 17.70                       | 17.76                       | 17.75                        |               |          |  |
| 10              | 256QAM     | 25      | 12        | 17.62                       | 17.79                       | 17.89                        |               |          |  |
| 10              | 256QAM     | 25      | 12        | 17.67                       | 17.54                       | 17.56                        | 19            | 5        |  |
| 10              | 256QAM     | 25      | 25        | 17.49                       | 17.58                       | 17.68                        |               |          |  |
| 10              | 256QAM     | 50      | 0         | 17.62                       | 17.62                       | 17.62                        |               |          |  |
| 10              | 256QAM     | Channel |           | 17.62                       | 17.62                       | 17.62                        |               |          |  |
| Channel         |            |         |           |                             |                             |                              |               |          |  |
| Frequency (MHz) |            |         |           |                             |                             |                              |               |          |  |
| 5               | QPSK       | 1       | 0         | 22.73                       | 22.94                       | 22.84                        | 24            | 0        |  |
| 5               | QPSK       | 1       | 12        | 22.73                       | 22.50                       | 22.48                        |               |          |  |
| 5               | QPSK       | 1       | 24        | 22.59                       | 22.73                       | 22.74                        |               |          |  |
| 5               | QPSK       | 12      | 0         | 21.65                       | 21.74                       | 21.65                        |               |          |  |
| 5               | QPSK       | 12      | 0         | 21.57                       | 21.52                       | 21.55                        | 23            | 1        |  |
| 5               | QPSK       | 12      | 13        | 21.55                       | 21.65                       | 21.80                        |               |          |  |
| 5               | QPSK       | 25      | 0         | 21.58                       | 21.63                       | 21.57                        |               |          |  |
| 5               | 16QAM      | 1       | 0         | 21.46                       | 21.59                       | 21.50                        |               |          |  |
| 5               | 8QAM       | 1       | 0         | 21.52                       | 21.64                       | 21.65                        | 23            |          |  |
| 5               | 16QAM      | 1       | 24        | 21.52                       | 21.54                       | 21.70                        |               |          |  |
| 5               | 16QAM      | 12      | 0         | 20.85                       | 20.59                       | 20.72                        |               |          |  |
| 5               | 16QAM      | 12      | 7         | 20.72                       | 20.66                       | 20.52                        |               |          |  |
| 5               | 8QAM       | 1       | 0         | 20.69                       | 20.63                       | 20.63                        | 22            | 2        |  |
| 5               | 8QAM       | 1       | 12        | 20.57                       | 20.43                       | 20.57                        |               |          |  |
| 5               | 8QAM       | 1       | 24        | 20.65                       | 20.40                       | 20.39                        |               |          |  |
| 5               | 8QAM       | 12      | 0         | 19.74                       | 19.55                       | 19.82                        |               |          |  |
| 5               | 8QAM       | 12      | 7         | 19.72                       | 19.71                       | 19.66                        | 21            | 3        |  |
| 5               | 8QAM       | 12      | 13        | 19.55                       | 19.45                       | 19.92                        |               |          |  |
| 5               | 8QAM       | 25      | 0         | 19.72                       | 19.62                       | 19.99                        |               |          |  |
| 5               | 8QAM       | 12      | 0         | 17.46                       | 17.61                       | 17.46                        |               |          |  |
| 5               | 256QAM     | 1       | 12        | 17.53                       | 17.65                       | 17.72                        | 19            | 5        |  |
| 5               | 256QAM     | 1       | 24        | 17.70                       | 17.77                       | 17.43                        |               |          |  |
| 5               | 256QAM     | 12      | 0         | 17.42                       | 17.77                       | 17.43                        |               |          |  |
| 5               | 256QAM     | 12      | 7         | 17.68                       | 17.72                       | 17.62                        |               |          |  |
| 5               | 256QAM     | 12      | 13        | 17.51                       | 17.75                       | 17.64                        | 19            | 5        |  |
| 5               | 256QAM     | 25      | 0         | 17.49                       | 17.58                       | 17.65                        |               |          |  |
| 5               | 256QAM     | Channel |           | 17.49                       | 17.58                       | 17.65                        |               |          |  |
| 5               | 256QAM     | Channel |           | 17.49                       | 17.58                       | 17.65                        |               |          |  |
| Channel         |            |         |           |                             |                             |                              |               |          |  |
| Frequency (MHz) |            |         |           |                             |                             |                              |               |          |  |
| 3               | QPSK       | 1       | 0         | 22.56                       | 22.63                       | 22.65                        | 24            | 0        |  |
| 3               | QPSK       | 1       | 8         | 22.60                       | 22.60                       | 22.36                        |               |          |  |
| 3               | QPSK       | 1       | 14        | 22.70                       | 22.72                       | 22.68                        |               |          |  |
| 3               | QPSK       | 8       | 0         | 21.64                       | 21.71                       | 21.61                        |               |          |  |
| 3               | QPSK       | 8       | 8         | 21.54                       | 21.47                       | 21.70                        | 23            | 1        |  |
| 3               | QPSK       | 8       | 8         | 21.54                       | 21.73                       | 21.81                        |               |          |  |
| 3               | QPSK       | 15      | 0         | 21.48                       | 21.65                       | 21.54                        |               |          |  |
| 3               | 16QAM      | 1       | 0         | 21.49                       | 21.66                       | 21.46                        |               |          |  |
| 3               | 16QAM      | 1       | 8         | 21.43                       | 21.58                       | 21.53                        | 23            |          |  |
| 3               | 16QAM      | 1       | 14        | 21.50                       | 21.47                       | 21.67                        |               |          |  |
| 3               | 16QAM      | 8       | 0         | 20.67                       | 20.63                       | 20.56                        |               |          |  |
| 3               | 16QAM      | 8       | 4         | 20.52                       | 20.49                       | 20.55                        |               |          |  |
| 3               | 8QAM       | 1       | 0         | 20.81                       | 20.88                       | 20.74                        | 22            | 2        |  |
| 3               | 8QAM       | 1       | 8         | 20.76                       | 20.63                       | 20.74                        |               |          |  |
| 3               | 8QAM       | 1       | 0         | 20.62                       | 20.55                       | 20.61                        |               |          |  |
| 3               | 8QAM       | 1       | 8         | 20.61                       | 20.55                       | 20.75                        |               |          |  |
| 3               | 8QAM       | 1       | 14        | 20.51                       | 20.48                       | 20.83                        | 22            |          |  |
| 3               | 8QAM       | 1       | 15        | 19.82                       | 19.57                       | 19.77                        |               |          |  |
| 3               | 8QAM       | 8       | 4         | 19.84                       | 19.84                       | 19.77                        |               |          |  |
| 3               | 8QAM       | 8       | 7         | 19.60                       | 19.43                       | 19.92                        |               |          |  |
| 3               | 8QAM       | 15      | 0         | 19.65                       | 19.64                       | 19.77                        | 21            | 3        |  |
| 3               | 16QAM      | 1       | 0         | 17.48                       | 17.57                       | 17.57                        |               |          |  |
| 3               | 256QAM     | 1       | 8         | 17.48                       | 17.74                       | 17.72                        |               |          |  |
| 3               | 256QAM     | 1       | 14        | 17.51                       | 17.83                       | 17.40                        |               |          |  |
| 3               | 256QAM     | 8       | 0         | 17.43                       | 17.48                       | 17.56                        | 19            | 5        |  |
| 3               | 256QAM     | 8       | 4         | 17.69                       | 17.37                       | 17.58                        |               |          |  |
| 3               | 256QAM     | 15      | 0         | 17.84                       | 17.77                       | 17.63                        |               |          |  |
| 3               | 256QAM     | 15      | 0         | 17.59                       | 17.51                       | 17.67                        |               |          |  |
| Channel         |            |         |           |                             |                             |                              |               |          |  |
| Frequency (MHz) |            |         |           |                             |                             |                              |               |          |  |
| 1.4             | QPSK       | 1       | 0         | 22.61                       | 22.72                       | 22.62                        | 24            | 0        |  |
| 1.4             | QPSK       | 1       | 5         | 22.64                       | 22.73                       | 22.63                        |               |          |  |
| 1.4             | QPSK       | 1       | 5         | 22.61                       | 22.78                       | 22.52                        |               |          |  |
| 1.4             | QPSK       | 1       | 1         | 22.78                       | 22.63                       | 22.50                        |               |          |  |
| 1.4             | QPSK       | 1       | 5         | 22.51                       | 22.62                       | 22.59                        | 23            | 1        |  |
| 1.4             | QPSK       | 1       | 5         | 21.53                       | 21.65                       | 21.71                        |               |          |  |
| 1.4             | 16QAM      | 1       | 0         | 21.51                       | 21.66                       | 21.69                        |               |          |  |
| 1.4             | 16QAM      | 1       | 3         | 21.61                       | 21.60                       | 21.61                        |               |          |  |
| 1.4             | 16QAM      | 1       | 3         | 21.78                       | 21.64                       | 21.61                        | 22            | 2        |  |
| 1.4             | 16QAM      | 1       | 3         | 21.50                       | 21.50                       | 21.39                        |               |          |  |
| 1.4             | 16QAM      | 3       | 1         | 21.69                       | 21.29                       | 21.45                        |               |          |  |
| 1.4             | 16QAM      | 3       | 3         | 21.49                       | 21.61                       | 21.52                        |               |          |  |
| 1.4             | 16QAM      | 3       | 3         | 20.67                       | 20.44                       | 20.76                        | 22            |          |  |
| 1.4             | 16QAM      | 3       | 3         | 20.80                       | 20.83                       | 20.64                        |               |          |  |
| 1.4             | 8QAM       | 1       | 3         | 20.74                       | 20.54                       | 20.69                        |               |          |  |
| 1.4             | 8QAM       | 1       | 5         | 20.65                       | 20.63                       | 20.63                        |               |          |  |
| 1.4             | 8QAM       | 3       | 3         | 20.79                       | 20.55                       | 20.65                        | 21            | 3        |  |
| 1.4             | 8QAM       | 3       | 3         | 20.63                       | 20.60                       | 20.60                        |               |          |  |
| 1.4             | 8QAM       | 3       | 3         | 20.49                       | 20.47                       | 20.60                        |               |          |  |
| 1.4             | 8QAM       | 6       | 0         | 19.85                       | 19.69                       | 19.62                        |               |          |  |
| 1.4             | 256QAM     | 1       | 0         | 17.50                       | 17.58                       | 17.59                        | 19            | 5        |  |
| 1.4             | 256QAM     | 1       | 5         | 17.40                       | 17.69                       | 17.64                        |               |          |  |
| 1.4             | 256QAM     | 1       | 5         | 17.60                       | 17.81                       | 17.69                        |               |          |  |
| 1.4             | 256QAM     | 3       | 1         | 17.60                       | 17.54                       | 17.67                        |               |          |  |
| 1.4             | 256QAM     | 3       | 1         | 17.46                       | 17.39                       | 17.44                        | 19            |          |  |
| 1.4             | 256QAM     | 3       | 3         | 17.60                       | 17.53                       | 17.67                        |               |          |  |
| 1.4             | 256QAM     | 3       | 3         | 17.57                       | 17.63                       | 17.71                        |               |          |  |
| 1.4             | 256QAM     | 3       | 3         | 17.57                       | 17.63                       | 17.71                        |               |          |  |

| Band 2 Ant 1 |                 |          |            |                         |                          |                           |                     |             |                     |             |                     |             |                     |             |
|--------------|-----------------|----------|------------|-------------------------|--------------------------|---------------------------|---------------------|-------------|---------------------|-------------|---------------------|-------------|---------------------|-------------|
| BW (MHz)     | Modulation      | RIS Size | RIS Offset | Power Low<br>Power High | Power Mean<br>Power High | Power Power<br>Power High | Turn-on<br>Time (s) | MFR<br>(dB) |                     |             |                     |             |                     |             |
| Channel      |                 |          |            |                         |                          |                           |                     |             |                     |             |                     |             |                     |             |
| 20           | QPSK            | 1        | 0          | 22.82                   | 22.86                    | 22.87                     | 24                  | 0           |                     |             |                     |             |                     |             |
| 20           | QPSK            | 1        | 49         | 22.82                   | 22.84                    | 22.84                     |                     |             |                     |             |                     |             |                     |             |
| 20           | QPSK            | 1        | 99         | 22.72                   | 22.76                    | 22.74                     |                     |             |                     |             |                     |             |                     |             |
| 20           | QPSK            | 50       | 0          | 21.66                   | 21.81                    | 21.66                     |                     |             |                     |             |                     |             |                     |             |
| 20           | QPSK            | 50       | 24         | 21.74                   | 21.81                    | 21.85                     | 23                  | 1           |                     |             |                     |             |                     |             |
| 20           | QPSK            | 50       | 50         | 21.68                   | 21.66                    | 21.62                     |                     |             |                     |             |                     |             |                     |             |
| 20           | QPSK            | 100      | 0          | 21.73                   | 21.79                    | 21.74                     |                     |             |                     |             |                     |             |                     |             |
| 20           | QPSK            | 100      | 50         | 21.68                   | 21.65                    | 21.65                     |                     |             |                     |             |                     |             |                     |             |
| 20           | QPSK            | 1        | 99         | 21.61                   | 21.64                    | 21.64                     | 23                  | 1           |                     |             |                     |             |                     |             |
| 20           | QPSK            | 1        | 49         | 20.99                   | 20.95                    | 20.99                     |                     |             |                     |             |                     |             |                     |             |
| 20           | QPSK            | 50       | 0          | 20.99                   | 20.99                    | 20.99                     |                     |             |                     |             |                     |             |                     |             |
| 20           | QPSK            | 50       | 24         | 20.91                   | 20.94                    | 20.94                     |                     |             |                     |             |                     |             |                     |             |
| 20           | QPSK            | 50       | 50         | 20.85                   | 20.89                    | 20.82                     | 22                  | 2           |                     |             |                     |             |                     |             |
| 20           | QPSK            | 100      | 0          | 20.81                   | 20.84                    | 20.82                     |                     |             |                     |             |                     |             |                     |             |
| 20           | QPSK            | 100      | 50         | 20.79                   | 20.89                    | 20.82                     |                     |             |                     |             |                     |             |                     |             |
| 20           | QPSK            | 1        | 49         | 20.63                   | 20.55                    | 20.77                     |                     |             |                     |             |                     |             |                     |             |
| 20           | QPSK            | 50       | 24         | 19.67                   | 19.64                    | 19.82                     | 21                  | 3           |                     |             |                     |             |                     |             |
| 20           | QPSK            | 50       | 50         | 19.67                   | 19.64                    | 19.72                     |                     |             |                     |             |                     |             |                     |             |
| 20           | QPSK            | 100      | 0          | 19.61                   | 19.62                    | 19.56                     |                     |             |                     |             |                     |             |                     |             |
| 20           | QPSK            | 100      | 50         | 19.57                   | 17.71                    | 17.69                     |                     |             |                     |             |                     |             |                     |             |
| 20           | QPSK            | 1        | 49         | 17.58                   | 17.68                    | 17.68                     | 19                  | 5           |                     |             |                     |             |                     |             |
| 20           | QPSK            | 1        | 99         | 17.64                   | 17.73                    | 17.77                     |                     |             |                     |             |                     |             |                     |             |
| 20           | QPSK            | 50       | 0          | 17.61                   | 17.64                    | 17.68                     |                     |             |                     |             |                     |             |                     |             |
| 20           | QPSK            | 50       | 24         | 17.59                   | 17.62                    | 17.59                     |                     |             |                     |             |                     |             |                     |             |
| 20           | QPSK            | 50       | 50         | 17.60                   | 17.56                    | 17.57                     | 19                  | 5           |                     |             |                     |             |                     |             |
| 20           | QPSK            | 100      | 0          | 17.60                   | 17.57                    | 17.57                     |                     |             |                     |             |                     |             |                     |             |
| Channel      |                 |          |            |                         |                          |                           |                     |             |                     |             |                     |             |                     |             |
| Channel      | Frequency (MHz) | 18875    | 18905      | 18925                   | 18955                    | 18975                     |                     |             |                     |             | Turn-on<br>Time (s) | MFR<br>(dB) | Turn-on<br>Time (s) | MFR<br>(dB) |
| 15           | QPSK            | 1        | 0          | 22.52                   | 22.73                    | 22.81                     | 24                  | 0           |                     |             |                     |             |                     |             |
| 15           | QPSK            | 1        | 37         | 22.58                   | 22.77                    | 22.83                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 1        | 74         | 22.48                   | 22.81                    | 22.81                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 36       | 0          | 21.69                   | 21.87                    | 21.49                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 36       | 24         | 21.56                   | 21.41                    | 21.41                     | 23                  | 1           |                     |             |                     |             |                     |             |
| 15           | QPSK            | 36       | 99         | 21.59                   | 21.28                    | 21.59                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 75       | 0          | 21.62                   | 21.67                    | 21.73                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 75       | 0          | 21.60                   | 21.60                    | 21.58                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 1        | 37         | 21.53                   | 21.46                    | 21.53                     | 23                  | 1           |                     |             |                     |             |                     |             |
| 15           | QPSK            | 1        | 37         | 21.52                   | 21.46                    | 21.53                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 36       | 0          | 20.92                   | 20.89                    | 20.85                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 36       | 20         | 20.34                   | 20.49                    | 20.39                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 36       | 99         | 20.43                   | 20.49                    | 20.54                     | 22                  | 2           |                     |             |                     |             |                     |             |
| 15           | QPSK            | 75       | 0          | 20.54                   | 20.49                    | 20.54                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 1        | 0          | 20.33                   | 20.49                    | 20.39                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 1        | 49         | 20.43                   | 20.49                    | 20.54                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 1        | 74         | 20.35                   | 20.52                    | 20.43                     | 22                  | 2           |                     |             |                     |             |                     |             |
| 15           | QPSK            | 36       | 0          | 19.47                   | 19.60                    | 19.35                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 36       | 99         | 19.69                   | 19.44                    | 19.49                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 36       | 99         | 19.45                   | 19.55                    | 19.72                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 75       | 0          | 19.61                   | 19.64                    | 19.65                     | 21                  | 3           |                     |             |                     |             |                     |             |
| 15           | QPSK            | 75       | 0          | 19.63                   | 19.63                    | 19.63                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 1        | 37         | 17.42                   | 17.50                    | 17.52                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 1        | 74         | 17.49                   | 17.60                    | 17.76                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 36       | 0          | 17.42                   | 17.46                    | 17.42                     | 19                  | 5           |                     |             |                     |             |                     |             |
| 15           | QPSK            | 36       | 20         | 17.43                   | 17.57                    | 17.42                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 36       | 99         | 17.46                   | 17.58                    | 17.37                     |                     |             |                     |             |                     |             |                     |             |
| 15           | QPSK            | 75       | 0          | 17.46                   | 17.55                    | 17.42                     |                     |             |                     |             |                     |             |                     |             |
| Channel      |                 |          |            |                         |                          |                           |                     |             |                     |             |                     |             |                     |             |
| Channel      | Frequency (MHz) | 18925    | 18955      | 18975                   | 18995                    | 19015                     | Turn-on<br>Time (s) | MFR<br>(dB) | Turn-on<br>Time (s) | MFR<br>(dB) |                     |             |                     |             |
| 10           | QPSK            | 1        | 0          | 22.43                   | 22.43                    | 22.43                     | 24                  | 0           |                     |             |                     |             |                     |             |
| 10           | QPSK            | 1        | 12         | 22.33                   | 22.64                    | 22.51                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 1        | 49         | 22.32                   | 22.62                    | 22.57                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 12       | 0          | 21.48                   | 21.68                    | 21.73                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 12       | 7          | 21.65                   | 21.62                    | 21.44                     | 23                  | 1           |                     |             |                     |             |                     |             |
| 10           | QPSK            | 12       | 13         | 21.65                   | 21.47                    | 21.48                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 25       | 0          | 21.74                   | 21.75                    | 21.62                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 25       | 12         | 21.64                   | 21.52                    | 21.59                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 1        | 12         | 21.47                   | 21.63                    | 21.43                     | 23                  | 1           |                     |             |                     |             |                     |             |
| 10           | QPSK            | 1        | 12         | 21.53                   | 21.67                    | 21.58                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 12       | 0          | 20.68                   | 20.86                    | 20.69                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 12       | 7          | 20.45                   | 20.47                    | 20.74                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 12       | 13         | 20.38                   | 20.43                    | 20.43                     | 22                  | 2           |                     |             |                     |             |                     |             |
| 10           | QPSK            | 25       | 0          | 20.60                   | 20.48                    | 20.52                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 25       | 12         | 20.45                   | 20.44                    | 20.45                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 25       | 49         | 20.58                   | 20.42                    | 20.45                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 1        | 0          | 20.39                   | 20.69                    | 20.47                     | 22                  | 2           |                     |             |                     |             |                     |             |
| 10           | QPSK            | 1        | 49         | 20.25                   | 20.24                    | 20.47                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 25       | 0          | 19.51                   | 19.69                    | 19.51                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 25       | 12         | 19.68                   | 19.62                    | 19.63                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 25       | 49         | 19.49                   | 19.44                    | 19.65                     | 21                  | 3           |                     |             |                     |             |                     |             |
| 10           | QPSK            | 75       | 0          | 19.58                   | 19.58                    | 19.40                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 1        | 25         | 17.36                   | 17.31                    | 17.32                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 1        | 49         | 17.46                   | 17.52                    | 17.67                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 25       | 12         | 17.45                   | 17.65                    | 17.45                     | 19                  | 5           |                     |             |                     |             |                     |             |
| 10           | QPSK            | 25       | 12         | 17.57                   | 17.61                    | 17.55                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 25       | 49         | 17.58                   | 17.59                    | 17.57                     |                     |             |                     |             |                     |             |                     |             |
| 10           | QPSK            | 75       | 0          | 17.53                   | 17.58                    | 17.50                     |                     |             |                     |             |                     |             |                     |             |
| Channel      |                 |          |            |                         |                          |                           |                     |             |                     |             |                     |             |                     |             |
| Channel      | Frequency (MHz) | 18975    | 18995      | 19015                   | 19035                    | 19055                     | Turn-on<br>Time (s) | MFR<br>(dB) | Turn-on<br>Time (s) | MFR<br>(dB) |                     |             |                     |             |
| 5            | QPSK            | 1        | 0          | 22.52                   | 22.59                    | 22.56                     | 24                  | 0           |                     |             |                     |             |                     |             |
| 5            | QPSK            | 1        | 8          | 22.38                   | 22.75                    | 22.48                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 1        | 24         | 22.32                   | 22.68                    | 22.51                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 12       | 0          | 21.48                   | 21.68                    | 21.73                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 12       | 7          | 21.65                   | 21.62                    | 21.44                     | 23                  | 1           |                     |             |                     |             |                     |             |
| 5            | QPSK            | 12       | 13         | 21.65                   | 21.47                    | 21.48                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 25       | 0          | 21.74                   | 21.75                    | 21.62                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 25       | 12         | 21.64                   | 21.52                    | 21.59                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 1        | 12         | 21.47                   | 21.63                    | 21.43                     | 23                  | 1           |                     |             |                     |             |                     |             |
| 5            | QPSK            | 1        | 12         | 21.53                   | 21.67                    | 21.58                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 12       | 0          | 20.68                   | 20.86                    | 20.69                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 12       | 7          | 20.45                   | 20.47                    | 20.74                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 12       | 13         | 20.38                   | 20.43                    | 20.43                     | 22                  | 2           |                     |             |                     |             |                     |             |
| 5            | QPSK            | 25       | 0          | 20.60                   | 20.48                    | 20.52                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 25       | 12         | 20.45                   | 20.44                    | 20.45                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 25       | 49         | 20.58                   | 20.42                    | 20.45                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 1        | 0          | 20.39                   | 20.69                    | 20.47                     | 22                  | 2           |                     |             |                     |             |                     |             |
| 5            | QPSK            | 1        | 49         | 20.25                   | 20.24                    | 20.47                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 25       | 0          | 19.51                   | 19.69                    | 19.51                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 25       | 12         | 19.68                   | 19.62                    | 19.63                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 25       | 49         | 19.49                   | 19.44                    | 19.65                     | 21                  | 3           |                     |             |                     |             |                     |             |
| 5            | QPSK            | 75       | 0          | 19.58                   | 19.58                    | 19.40                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 1        | 24         | 17.34                   | 17.71                    | 17.55                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 1        | 12         | 17.43                   | 17.54                    | 17.48                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 1        | 12         | 17.48                   | 17.57                    | 17.48                     | 19                  | 5           |                     |             |                     |             |                     |             |
| 5            | QPSK            | 12       | 0          | 17.71                   | 17.64                    | 17.68                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 12       | 7          | 17.52                   | 17.43                    | 17.48                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 12       | 13         | 17.48                   | 17.68                    | 17.48                     |                     |             |                     |             |                     |             |                     |             |
| 5            | QPSK            | 25       | 0          | 17.54                   | 17.46                    | 17.28                     | 19                  | 5           |                     |             |                     |             |                     |             |
| Channel      |                 |          |            |                         |                          |                           |                     |             |                     |             |                     |             |                     |             |
| Channel      | Frequency (MHz) | 18975    | 18995      | 19015                   | 19035                    | 19055                     |                     |             |                     |             | Turn-on<br>Time (s) | MFR<br>(dB) | Turn-on<br>Time (s) | MFR<br>(dB) |
| 3            | QPSK            | 1        | 0          | 22.52                   | 22.59                    | 22.56                     |                     |             |                     |             | 24                  | 0           |                     |             |
| 3            | QPSK            | 1        | 8          | 22.38                   | 22.75                    | 22.48                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 1        | 24         | 22.32                   | 22.68                    | 22.51                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 12       | 0          | 21.48                   | 21.68                    | 21.73                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 12       | 7          | 21.65                   | 21.62                    | 21.44                     | 23                  | 1           |                     |             |                     |             |                     |             |
| 3            | QPSK            | 12       | 13         | 21.65                   | 21.47                    | 21.48                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 25       | 0          | 21.74                   | 21.75                    | 21.62                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 25       | 12         | 21.64                   | 21.52                    | 21.59                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 1        | 12         | 21.61                   | 21.68                    | 21.59                     | 23                  | 1           |                     |             |                     |             |                     |             |
| 3            | QPSK            | 1        | 12         | 21.61                   | 21.67                    | 21.66                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 12       | 0          | 20.58                   | 20.85                    | 20.61                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 12       | 7          | 20.48                   | 20.53                    | 20.48                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 12       | 13         | 20.45                   | 20.31                    | 20.44                     | 22                  | 2           |                     |             |                     |             |                     |             |
| 3            | QPSK            | 25       | 0          | 20.45                   | 20.37                    | 20.65                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 25       | 12         | 20.42                   | 20.53                    | 20.43                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 25       | 49         | 20.57                   | 20.53                    | 20.29                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 1        | 14         | 20.37                   | 20.26                    | 20.26                     | 22                  | 2           |                     |             |                     |             |                     |             |
| 3            | QPSK            | 1        | 14         | 20.35                   | 20.27                    | 20.41                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 8        | 0          | 19.69                   | 19.58                    | 19.71                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 8        | 8          | 19.67                   | 19.47                    | 19.51                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 15       | 0          | 19.54                   | 19.25                    | 19.31                     | 21                  | 3           |                     |             |                     |             |                     |             |
| 3            | QPSK            | 15       | 0          | 19.47                   | 19.25                    | 19.31                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 1        | 14         | 17.33                   | 17.63                    | 17.41                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 1        | 14         | 17.33                   | 17.73                    | 17.75                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 8        | 0          | 17.68                   | 17.51                    | 17.51                     | 19                  | 5           |                     |             |                     |             |                     |             |
| 3            | QPSK            | 8        | 8          | 17.36                   | 17.49                    | 17.49                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 15       | 0          | 17.40                   | 17.39                    | 17.41                     |                     |             |                     |             |                     |             |                     |             |
| 3            | QPSK            | 15       | 0          | 17.60                   | 17.39                    | 17.41                     |                     |             |                     |             |                     |             |                     |             |
| Channel      |                 |          |            |                         |                          |                           |                     |             |                     |             |                     |             |                     |             |
| Channel      | Frequency (MHz) | 18975    | 18995      | 19015                   | 19035                    | 19055                     | Turn-on<br>Time (s) | MFR<br>(dB) | Turn-on<br>Time (s) | MFR<br>(dB) |                     |             |                     |             |
| 1.5          | QPSK            | 1        | 0          | 22.26                   | 22.51                    | 22.55                     | 24                  | 0           |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 1        | 8          | 22.20                   | 22.47                    | 22.36                     |                     |             |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 1        | 24         | 22.20                   | 22.46                    | 22.36                     |                     |             |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 3        | 0          | 21.38                   | 22.64                    | 22.49                     |                     |             |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 3        | 3          | 22.27                   | 22.52                    | 22.54                     | 23                  | 1           |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 3        | 3          | 22.27                   | 22.52                    | 22.54                     |                     |             |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 6        | 0          | 21.67                   | 21.68                    | 21.66                     |                     |             |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 6        | 6          | 21.65                   | 21.69                    | 21.69                     |                     |             |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 1        | 3          | 21.61                   | 21.59                    | 21.55                     | 22                  | 2           |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 1        | 3          | 21.62                   | 21.47                    | 21.54                     |                     |             |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 3        | 0          | 21.48                   | 21.43                    | 21.43                     |                     |             |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 3        | 3          | 21.57                   | 21.60                    | 21.63                     |                     |             |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 3        | 3          | 21.61                   | 21.76                    | 21.53                     | 22                  | 2           |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 3        | 3          | 21.62                   | 21.76                    | 21.53                     |                     |             |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 6        | 0          | 20.77                   | 20.34                    | 20.77                     |                     |             |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 6        | 6          | 20.76                   | 20.24                    | 20.25                     |                     |             |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 3        | 1          | 20.35                   | 20.34                    | 20.77                     | 22                  | 2           |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 3        | 1          | 20.37                   | 20.36                    | 20.82                     |                     |             |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 6        | 0          | 20.41                   | 20.36                    | 20.62                     |                     |             |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 6        | 6          | 20.37                   | 20.35                    | 20.36                     |                     |             |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 6        | 0          | 19.51                   | 19.52                    | 19.59                     | 21                  | 3           |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 6        | 6          | 19.51                   | 19.52                    | 19.59                     |                     |             |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 1        | 0          | 17.62                   | 17.60                    | 17.57                     |                     |             |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 1        | 0          | 17.47                   | 17.27                    | 17.48                     |                     |             |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 1        | 6          | 17.67                   | 17.58                    | 17.68                     | 19                  | 5           |                     |             |                     |             |                     |             |
| 1.5          | QPSK            | 1        | 6          | 17.71                   | 17.62                    | 17.59                     |                     |             |                     |             |                     |             |                     |             |

| Band 38 Ant 1   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit       |          |  |
| Channel         |            |         |           | 37650                 | 38000                    | 38150                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |
| 20              | QPSK       | 1       | 0         | 22.80                 | 23.08                    | 23.01                  | 24                  | 0        |  |
| 20              | QPSK       | 1       | 49        | 22.75                 | 22.92                    | 22.81                  |                     |          |  |
| 20              | QPSK       | 1       | 99        | 22.84                 | 22.71                    | 22.66                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.79                 | 22.07                    | 21.98                  | 23                  | 1        |  |
| 20              | QPSK       | 50      | 24        | 21.89                 | 21.95                    | 21.68                  |                     |          |  |
| 20              | QPSK       | 50      | 50        | 21.70                 | 21.67                    | 22.00                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 21.99                 | 22.12                    | 21.83                  | 22                  | 2        |  |
| 20              | 16QAM      | 1       | 0         | 21.75                 | 21.60                    | 21.91                  |                     |          |  |
| 20              | 16QAM      | 1       | 49        | 21.61                 | 21.98                    | 21.83                  |                     |          |  |
| 20              | 16QAM      | 1       | 99        | 21.89                 | 21.86                    | 21.59                  | 22                  | 2        |  |
| 20              | 16QAM      | 50      | 0         | 20.75                 | 20.71                    | 20.83                  |                     |          |  |
| 20              | 16QAM      | 50      | 24        | 20.85                 | 20.48                    | 20.79                  |                     |          |  |
| 20              | 16QAM      | 50      | 50        | 20.86                 | 20.50                    | 20.62                  | 21                  | 3        |  |
| 20              | 16QAM      | 100     | 0         | 20.45                 | 20.74                    | 20.50                  |                     |          |  |
| 20              | 64QAM      | 1       | 0         | 20.54                 | 20.55                    | 20.71                  |                     |          |  |
| 20              | 64QAM      | 1       | 49        | 20.52                 | 20.67                    | 20.65                  | 22                  | 2        |  |
| 20              | 64QAM      | 1       | 99        | 20.66                 | 20.58                    | 20.93                  |                     |          |  |
| 20              | 64QAM      | 50      | 0         | 19.66                 | 19.65                    | 19.84                  |                     |          |  |
| 20              | 64QAM      | 50      | 24        | 19.74                 | 19.81                    | 19.55                  | 21                  | 3        |  |
| 20              | 64QAM      | 50      | 50        | 19.71                 | 19.60                    | 19.97                  |                     |          |  |
| 20              | 64QAM      | 100     | 0         | 19.60                 | 19.76                    | 19.55                  |                     |          |  |
| 20              | 256QAM     | 1       | 0         | 17.81                 | 17.77                    | 17.65                  | 19                  | 5        |  |
| 20              | 256QAM     | 1       | 49        | 17.72                 | 17.71                    | 17.80                  |                     |          |  |
| 20              | 256QAM     | 1       | 99        | 17.58                 | 17.62                    | 17.61                  |                     |          |  |
| 20              | 256QAM     | 50      | 0         | 17.70                 | 17.63                    | 17.58                  | 19                  | 5        |  |
| 20              | 256QAM     | 50      | 24        | 17.92                 | 17.74                    | 17.76                  |                     |          |  |
| 20              | 256QAM     | 50      | 50        | 17.62                 | 17.68                    | 17.68                  |                     |          |  |
| 20              | 256QAM     | 100     | 0         | 17.71                 | 17.76                    | 17.93                  |                     |          |  |
| Channel         |            |         |           | 37625                 | 38000                    | 38175                  | Tune-up limit       | MPR      |  |
| Frequency (MHz) |            |         |           | 2577.5                | 2595                     | 2612.5                 | (dBm)               | (dB)     |  |
| 15              | QPSK       | 1       | 0         | 22.97                 | 23.05                    | 23.00                  | 24                  | 0        |  |
| 15              | QPSK       | 1       | 37        | 22.79                 | 22.76                    | 22.86                  |                     |          |  |
| 15              | QPSK       | 1       | 74        | 22.65                 | 22.74                    | 22.74                  |                     |          |  |
| 15              | QPSK       | 36      | 0         | 21.87                 | 21.96                    | 21.94                  | 23                  | 1        |  |
| 15              | QPSK       | 36      | 20        | 21.95                 | 21.92                    | 21.85                  |                     |          |  |
| 15              | QPSK       | 36      | 39        | 21.77                 | 21.77                    | 21.96                  |                     |          |  |
| 15              | QPSK       | 75      | 0         | 21.82                 | 22.07                    | 21.89                  | 23                  | 1        |  |
| 15              | 16QAM      | 1       | 0         | 21.77                 | 21.99                    | 22.03                  |                     |          |  |
| 15              | 16QAM      | 1       | 37        | 21.62                 | 21.93                    | 22.00                  |                     |          |  |
| 15              | 16QAM      | 1       | 74        | 21.83                 | 21.83                    | 21.81                  | 22                  | 2        |  |
| 15              | 16QAM      | 36      | 0         | 20.59                 | 20.82                    | 20.74                  |                     |          |  |
| 15              | 16QAM      | 36      | 20        | 20.87                 | 20.35                    | 20.74                  |                     |          |  |
| 15              | 16QAM      | 36      | 39        | 20.80                 | 20.71                    | 20.75                  | 22                  | 2        |  |
| 15              | 16QAM      | 75      | 0         | 20.58                 | 20.87                    | 20.65                  |                     |          |  |
| 15              | 64QAM      | 1       | 0         | 20.45                 | 20.77                    | 20.49                  |                     |          |  |
| 15              | 64QAM      | 1       | 37        | 20.50                 | 20.78                    | 20.70                  | 22                  | 2        |  |
| 15              | 64QAM      | 1       | 74        | 20.65                 | 20.72                    | 20.90                  |                     |          |  |
| 15              | 64QAM      | 36      | 0         | 19.72                 | 19.74                    | 19.71                  |                     |          |  |
| 15              | 64QAM      | 36      | 20        | 19.89                 | 19.71                    | 19.64                  | 21                  | 3        |  |
| 15              | 64QAM      | 36      | 39        | 19.61                 | 19.53                    | 19.85                  |                     |          |  |
| 15              | 64QAM      | 75      | 0         | 19.74                 | 19.70                    | 19.70                  |                     |          |  |
| 15              | 256QAM     | 1       | 0         | 17.88                 | 17.78                    | 17.67                  | 19                  | 5        |  |
| 15              | 256QAM     | 1       | 37        | 17.82                 | 17.81                    | 17.73                  |                     |          |  |
| 15              | 256QAM     | 1       | 74        | 17.58                 | 17.76                    | 17.64                  |                     |          |  |
| 15              | 256QAM     | 36      | 0         | 17.61                 | 17.88                    | 17.63                  | 19                  | 5        |  |
| 15              | 256QAM     | 36      | 20        | 17.83                 | 17.90                    | 17.77                  |                     |          |  |
| 15              | 256QAM     | 36      | 39        | 17.61                 | 17.76                    | 17.54                  |                     |          |  |
| 15              | 256QAM     | 75      | 0         | 17.76                 | 17.71                    | 17.78                  |                     |          |  |
| Channel         |            |         |           | 37900                 | 38000                    | 38200                  | Tune-up limit       | MPR      |  |
| Frequency (MHz) |            |         |           | 2575                  | 2595                     | 2615                   | (dBm)               | (dB)     |  |
| 10              | QPSK       | 1       | 0         | 22.85                 | 23.02                    | 23.03                  | 24                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 22.76                 | 22.72                    | 22.89                  |                     |          |  |
| 10              | QPSK       | 1       | 49        | 22.64                 | 22.77                    | 22.70                  |                     |          |  |
| 10              | QPSK       | 25      | 0         | 21.84                 | 22.07                    | 21.78                  | 23                  | 1        |  |
| 10              | QPSK       | 25      | 12        | 21.87                 | 21.90                    | 21.90                  |                     |          |  |
| 10              | QPSK       | 25      | 25        | 21.88                 | 21.63                    | 21.97                  |                     |          |  |
| 10              | QPSK       | 50      | 0         | 21.85                 | 22.11                    | 21.88                  | 23                  | 1        |  |
| 10              | 16QAM      | 1       | 0         | 21.80                 | 21.89                    | 21.92                  |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 21.63                 | 21.99                    | 21.98                  |                     |          |  |
| 10              | 16QAM      | 1       | 49        | 21.96                 | 21.85                    | 21.71                  | 22                  | 2        |  |
| 10              | 16QAM      | 25      | 0         | 20.65                 | 20.68                    | 20.88                  |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 20.71                 | 20.42                    | 20.70                  |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 20.82                 | 20.47                    | 20.80                  | 22                  | 2        |  |
| 10              | 16QAM      | 50      | 0         | 20.66                 | 20.91                    | 20.57                  |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 20.56                 | 20.59                    | 20.72                  |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 20.56                 | 20.73                    | 20.68                  | 21                  | 3        |  |
| 10              | 64QAM      | 1       | 49        | 20.57                 | 20.59                    | 20.72                  |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 19.82                 | 19.72                    | 19.77                  |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 19.84                 | 19.63                    | 19.61                  | 19                  | 5        |  |
| 10              | 64QAM      | 25      | 25        | 19.69                 | 19.69                    | 19.95                  |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 19.64                 | 19.61                    | 19.70                  |                     |          |  |
| 10              | 256QAM     | 1       | 0         | 17.82                 | 17.77                    | 17.62                  | 19                  | 5        |  |
| 10              | 256QAM     | 1       | 25        | 17.73                 | 17.89                    | 17.70                  |                     |          |  |
| 10              | 256QAM     | 1       | 49        | 17.51                 | 17.72                    | 17.71                  |                     |          |  |
| 10              | 256QAM     | 25      | 0         | 17.71                 | 17.94                    | 17.61                  | 19                  | 5        |  |
| 10              | 256QAM     | 25      | 12        | 17.99                 | 17.76                    | 17.73                  |                     |          |  |
| 10              | 256QAM     | 25      | 25        | 17.77                 | 17.75                    | 17.59                  |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 17.65                 | 17.79                    | 17.89                  |                     |          |  |
| Channel         |            |         |           | 37775                 | 38000                    | 38225                  | Tune-up limit       | MPR      |  |
| Frequency (MHz) |            |         |           | 2572.5                | 2595                     | 2617.5                 | (dBm)               | (dB)     |  |
| 5               | QPSK       | 1       | 0         | 22.78                 | 22.95                    | 22.96                  | 24                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 22.90                 | 22.89                    | 22.82                  |                     |          |  |
| 5               | QPSK       | 1       | 24        | 22.68                 | 22.79                    | 22.84                  |                     |          |  |
| 5               | QPSK       | 12      | 0         | 21.83                 | 21.96                    | 21.83                  | 23                  | 1        |  |
| 5               | QPSK       | 12      | 7         | 21.90                 | 21.94                    | 21.93                  |                     |          |  |
| 5               | QPSK       | 12      | 13        | 21.89                 | 21.96                    | 21.97                  |                     |          |  |
| 5               | QPSK       | 25      | 0         | 21.77                 | 21.96                    | 21.83                  | 23                  | 1        |  |
| 5               | 16QAM      | 1       | 0         | 21.86                 | 21.98                    | 21.91                  |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 21.80                 | 21.78                    | 22.04                  |                     |          |  |
| 5               | 16QAM      | 1       | 24        | 22.00                 | 21.80                    | 21.60                  | 22                  | 2        |  |
| 5               | 16QAM      | 12      | 0         | 20.72                 | 20.77                    | 20.72                  |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 20.86                 | 20.58                    | 20.74                  |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 20.81                 | 20.66                    | 20.73                  | 22                  | 2        |  |
| 5               | 16QAM      | 25      | 0         | 20.47                 | 20.75                    | 20.40                  |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 20.64                 | 20.96                    | 20.52                  |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 20.49                 | 20.62                    | 20.70                  | 22                  | 2        |  |
| 5               | 64QAM      | 1       | 24        | 20.59                 | 20.66                    | 20.91                  |                     |          |  |
| 5               | 64QAM      | 12      | 0         | 19.71                 | 19.74                    | 19.89                  |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 19.92                 | 19.81                    | 19.75                  | 21                  | 3        |  |
| 5               | 64QAM      | 12      | 13        | 19.76                 | 19.55                    | 19.94                  |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 19.59                 | 19.72                    | 19.66                  |                     |          |  |
| 5               | 256QAM     | 1       | 0         | 17.73                 | 17.84                    | 17.46                  | 19                  | 5        |  |
| 5               | 256QAM     | 1       | 12        | 17.73                 | 17.75                    | 17.85                  |                     |          |  |
| 5               | 256QAM     | 1       | 24        | 17.66                 | 17.71                    | 17.77                  |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 17.65                 | 17.90                    | 17.65                  | 19                  | 5        |  |
| 5               | 256QAM     | 12      | 7         | 18.00                 | 17.94                    | 17.86                  |                     |          |  |
| 5               | 256QAM     | 12      | 13        | 17.66                 | 17.77                    | 17.63                  |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 17.78                 | 17.75                    | 17.80                  |                     |          |  |

| Band 41 Ant 1   |            |         |           |                     |                           |                        |                            |                      |                     |          |  |
|-----------------|------------|---------|-----------|---------------------|---------------------------|------------------------|----------------------------|----------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Low Midde Ch / Freq | Power Middle Ch / Freq | Power High Midde Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |  |
| Channel 1       |            |         |           |                     |                           |                        |                            |                      |                     |          |  |
| Frequency (MHz) |            |         |           |                     |                           |                        |                            |                      |                     |          |  |
| 20              | QPSK       | 1       | 0         | 23.06               | 23.00                     | 23.11                  | 22.92                      | 23.08                |                     |          |  |
| 20              | QPSK       | 1       | 49        | 22.55               | 22.95                     | 22.73                  | 22.95                      | 22.82                | 24                  | 0        |  |
| 20              | QPSK       | 1       | 99        | 22.70               | 22.55                     | 22.75                  | 22.71                      | 22.69                |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.60               | 21.94                     | 21.80                  | 21.89                      | 21.91                |                     |          |  |
| 20              | QPSK       | 50      | 24        | 21.77               | 21.81                     | 21.77                  | 21.83                      | 21.78                | 23                  | 1        |  |
| 20              | QPSK       | 50      | 50        | 21.44               | 21.57                     | 22.00                  | 21.85                      | 21.92                |                     |          |  |
| 20              | QPSK       | 100     | 0         | 21.60               | 21.61                     | 21.79                  | 21.68                      | 21.68                |                     |          |  |
| 20              | 16QAM      | 1       | 0         | 21.49               | 21.65                     | 21.69                  | 21.61                      | 21.46                |                     |          |  |
| 20              | 16QAM      | 1       | 49        | 21.55               | 21.86                     | 21.48                  | 21.89                      | 21.59                | 23                  | 1        |  |
| 20              | 16QAM      | 1       | 99        | 21.85               | 21.76                     | 21.68                  | 21.61                      | 21.76                |                     |          |  |
| 20              | 64QAM      | 1       | 49        | 20.53               | 20.59                     | 20.59                  | 20.51                      | 20.60                |                     |          |  |
| 20              | 16QAM      | 50      | 24        | 20.86               | 20.75                     | 20.57                  | 20.51                      | 20.49                | 22                  | 2        |  |
| 20              | 16QAM      | 50      | 50        | 20.73               | 20.74                     | 20.71                  | 20.39                      | 20.77                |                     |          |  |
| 20              | 16QAM      | 100     | 0         | 20.60               | 20.56                     | 20.49                  | 20.62                      | 20.60                |                     |          |  |
| 20              | 64QAM      | 1       | 0         | 20.38               | 20.59                     | 20.59                  | 20.30                      | 20.57                |                     |          |  |
| 20              | 64QAM      | 1       | 49        | 20.53               | 20.51                     | 20.79                  | 20.51                      | 20.60                | 22                  | 2        |  |
| 20              | 64QAM      | 1       | 99        | 20.63               | 20.53                     | 20.84                  | 20.68                      | 20.71                |                     |          |  |
| 20              | 64QAM      | 50      | 0         | 19.96               | 19.94                     | 19.71                  | 19.71                      | 19.53                |                     |          |  |
| 20              | 64QAM      | 50      | 24        | 19.60               | 19.59                     | 19.84                  | 19.60                      | 19.64                | 21                  | 3        |  |
| 20              | 64QAM      | 50      | 50        | 19.74               | 19.29                     | 19.57                  | 19.49                      | 19.70                |                     |          |  |
| 20              | 64QAM      | 100     | 0         | 19.81               | 19.44                     | 19.37                  | 19.51                      | 19.61                |                     |          |  |
| 20              | 256QAM     | 1       | 49        | 17.60               | 17.81                     | 17.72                  | 17.53                      | 17.63                | 19                  | 5        |  |
| 20              | 256QAM     | 1       | 99        | 17.58               | 17.46                     | 17.74                  | 17.59                      | 17.88                |                     |          |  |
| 20              | 256QAM     | 1       | 99        | 17.53               | 17.61                     | 17.46                  | 17.59                      | 17.66                |                     |          |  |
| 20              | 256QAM     | 50      | 0         | 17.67               | 17.96                     | 17.63                  | 17.84                      | 17.66                |                     |          |  |
| 20              | 256QAM     | 50      | 24        | 17.56               | 17.60                     | 17.62                  | 17.88                      | 17.48                | 19                  | 5        |  |
| 20              | 256QAM     | 50      | 50        | 17.65               | 17.63                     | 17.84                  | 17.73                      | 17.53                |                     |          |  |
| 20              | 256QAM     | 100     | 0         | 17.62               | 17.95                     | 17.71                  | 17.84                      | 18.06                |                     |          |  |
| Channel 2       |            |         |           |                     |                           |                        |                            |                      |                     |          |  |
| Frequency (MHz) |            |         |           |                     |                           |                        |                            |                      |                     |          |  |
| 15              | QPSK       | 1       | 0         | 22.92               | 22.83                     | 22.91                  | 22.84                      | 22.86                |                     |          |  |
| 15              | QPSK       | 1       | 37        | 22.51               | 22.93                     | 22.60                  | 22.92                      | 22.61                | 24                  | 0        |  |
| 15              | QPSK       | 1       | 74        | 22.69               | 22.47                     | 22.80                  | 22.71                      | 22.47                |                     |          |  |
| 15              | QPSK       | 36      | 0         | 21.40               | 21.92                     | 21.89                  | 21.58                      | 21.87                |                     |          |  |
| 15              | QPSK       | 36      | 20        | 21.84               | 21.71                     | 21.77                  | 21.73                      | 21.72                | 23                  | 1        |  |
| 15              | QPSK       | 36      | 39        | 21.39               | 21.42                     | 21.69                  | 21.68                      | 21.87                |                     |          |  |
| 15              | QPSK       | 75      | 0         | 21.42               | 21.54                     | 21.79                  | 21.59                      | 21.69                |                     |          |  |
| 15              | 16QAM      | 1       | 0         | 21.34               | 21.66                     | 21.88                  | 21.51                      | 21.37                | 23                  | 1        |  |
| 15              | 16QAM      | 1       | 37        | 21.34               | 21.73                     | 21.54                  | 21.78                      | 21.41                |                     |          |  |
| 15              | 16QAM      | 1       | 74        | 21.86               | 21.54                     | 21.81                  | 21.51                      | 21.70                |                     |          |  |
| 15              | 16QAM      | 36      | 0         | 20.47               | 20.45                     | 20.67                  | 20.56                      | 20.57                |                     |          |  |
| 15              | 16QAM      | 36      | 20        | 20.58               | 20.64                     | 20.57                  | 20.31                      | 20.49                | 22                  | 2        |  |
| 15              | 16QAM      | 36      | 39        | 20.63               | 20.54                     | 20.71                  | 20.28                      | 20.58                |                     |          |  |
| 15              | 16QAM      | 75      | 0         | 20.39               | 20.34                     | 20.39                  | 20.50                      | 20.67                |                     |          |  |
| 15              | 64QAM      | 1       | 0         | 20.39               | 20.58                     | 20.58                  | 20.29                      | 20.43                |                     |          |  |
| 15              | 64QAM      | 1       | 37        | 20.32               | 20.39                     | 20.69                  | 20.46                      | 20.42                | 22                  | 2        |  |
| 15              | 64QAM      | 1       | 74        | 20.44               | 20.31                     | 20.81                  | 20.62                      | 20.71                |                     |          |  |
| 15              | 64QAM      | 36      | 0         | 19.50               | 19.86                     | 19.55                  | 19.72                      | 19.47                |                     |          |  |
| 15              | 64QAM      | 36      | 20        | 19.61               | 19.61                     | 19.65                  | 19.57                      | 19.58                | 21                  | 3        |  |
| 15              | 64QAM      | 36      | 39        | 19.62               | 19.13                     | 19.39                  | 19.36                      | 19.67                |                     |          |  |
| 15              | 64QAM      | 75      | 0         | 19.78               | 19.27                     | 19.27                  | 19.40                      | 19.53                |                     |          |  |
| 15              | 256QAM     | 1       | 0         | 17.43               | 17.73                     | 17.67                  | 17.38                      | 17.34                |                     |          |  |
| 15              | 256QAM     | 1       | 37        | 17.46               | 17.32                     | 17.64                  | 17.41                      | 17.86                | 19                  | 5        |  |
| 15              | 256QAM     | 1       | 74        | 17.35               | 17.47                     | 17.25                  | 17.45                      | 17.45                |                     |          |  |
| 15              | 256QAM     | 36      | 0         | 17.51               | 17.86                     | 17.45                  | 17.71                      | 17.69                |                     |          |  |
| 15              | 256QAM     | 36      | 20        | 17.51               | 17.42                     | 17.60                  | 17.75                      | 17.37                | 19                  | 5        |  |
| 15              | 256QAM     | 36      | 39        | 17.63               | 17.57                     | 17.48                  | 17.72                      | 17.32                |                     |          |  |
| 15              | 256QAM     | 75      | 0         | 17.62               | 17.82                     | 17.67                  | 17.48                      | 18.05                |                     |          |  |
| Channel 3       |            |         |           |                     |                           |                        |                            |                      |                     |          |  |
| Frequency (MHz) |            |         |           |                     |                           |                        |                            |                      |                     |          |  |
| 10              | QPSK       | 1       | 0         | 22.67               | 22.47                     | 22.53                  | 22.37                      | 22.65                |                     |          |  |
| 10              | QPSK       | 1       | 25        | 22.49               | 22.89                     | 22.62                  | 22.90                      | 22.60                | 24                  | 0        |  |
| 10              | QPSK       | 1       | 49        | 22.70               | 22.48                     | 22.68                  | 22.60                      | 22.56                |                     |          |  |
| 10              | QPSK       | 25      | 0         | 21.50               | 21.86                     | 21.93                  | 21.63                      | 21.72                |                     |          |  |
| 10              | QPSK       | 25      | 12        | 21.77               | 21.76                     | 21.63                  | 21.77                      | 21.75                | 23                  | 1        |  |
| 10              | QPSK       | 25      | 25        | 21.32               | 21.55                     | 21.79                  | 21.78                      | 21.74                |                     |          |  |
| 10              | QPSK       | 50      | 0         | 21.46               | 21.62                     | 21.62                  | 21.51                      | 21.51                |                     |          |  |
| 10              | 16QAM      | 1       | 0         | 21.30               | 21.45                     | 21.62                  | 21.54                      | 21.35                |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 21.52               | 21.83                     | 21.39                  | 21.89                      | 21.38                | 23                  | 1        |  |
| 10              | 16QAM      | 1       | 49        | 21.72               | 21.74                     | 21.62                  | 21.60                      | 21.61                |                     |          |  |
| 10              | 16QAM      | 25      | 0         | 20.53               | 20.40                     | 20.84                  | 20.58                      | 20.64                |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 20.53               | 20.69                     | 20.35                  | 20.40                      | 20.37                | 22                  | 2        |  |
| 10              | 16QAM      | 25      | 25        | 20.72               | 20.67                     | 20.59                  | 20.31                      | 20.61                |                     |          |  |
| 10              | 16QAM      | 50      | 0         | 20.47               | 20.45                     | 20.43                  | 20.44                      | 20.40                |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 20.35               | 20.38                     | 20.48                  | 20.09                      | 20.43                |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 20.41               | 20.41                     | 20.59                  | 20.34                      | 20.45                | 22                  | 2        |  |
| 10              | 64QAM      | 1       | 49        | 20.42               | 20.33                     | 20.81                  | 20.61                      | 20.56                |                     |          |  |
| 10              | 64QAM      | 1       | 99        | 19.41               | 19.83                     | 19.73                  | 19.64                      | 19.84                | 21                  | 3        |  |
| 10              | 64QAM      | 25      | 12        | 19.52               | 19.55                     | 19.74                  | 19.48                      | 19.58                |                     |          |  |
| 10              | 64QAM      | 25      | 25        | 19.75               | 19.13                     | 19.57                  | 19.41                      | 19.61                |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 19.75               | 19.27                     | 19.16                  | 19.33                      | 19.58                |                     |          |  |
| 10              | 256QAM     | 1       | 0         | 17.48               | 17.69                     | 17.55                  | 17.35                      | 17.32                |                     |          |  |
| 10              | 256QAM     | 1       | 25        | 17.37               | 17.39                     | 17.71                  | 17.49                      | 17.68                | 19                  | 5        |  |
| 10              | 256QAM     | 1       | 49        | 17.54               | 17.31                     | 17.54                  | 17.72                      | 17.57                |                     |          |  |
| 10              | 256QAM     | 25      | 0         | 17.53               | 17.94                     | 17.61                  | 17.86                      | 17.51                |                     |          |  |
| 10              | 256QAM     | 25      | 12        | 17.46               | 17.44                     | 17.59                  | 17.87                      | 17.29                | 19                  | 5        |  |
| 10              | 256QAM     | 25      | 25        | 17.59               | 17.44                     | 17.53                  | 17.63                      | 17.36                |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 17.54               | 17.75                     | 17.50                  | 17.65                      | 17.96                |                     |          |  |
| Channel 4       |            |         |           |                     |                           |                        |                            |                      |                     |          |  |
| Frequency (MHz) |            |         |           |                     |                           |                        |                            |                      |                     |          |  |
| 5               | QPSK       | 1       | 0         | 22.89               | 22.82                     | 23.03                  | 22.83                      | 22.89                |                     |          |  |
| 5               | QPSK       | 1       | 12        | 22.54               | 22.74                     | 22.69                  | 22.84                      | 22.76                | 24                  | 0        |  |
| 5               | QPSK       | 1       | 24        | 22.60               | 22.42                     | 22.61                  | 22.61                      | 22.59                |                     |          |  |
| 5               | QPSK       | 12      | 0         | 21.54               | 21.85                     | 21.88                  | 21.59                      | 21.77                | 23                  | 1        |  |
| 5               | QPSK       | 12      | 13        | 21.71               | 21.67                     | 21.82                  | 21.78                      | 21.80                |                     |          |  |
| 5               | QPSK       | 25      | 0         | 21.54               | 21.48                     | 21.62                  | 21.66                      | 21.59                |                     |          |  |
| 5               | 16QAM      | 1       | 0         | 21.35               | 21.67                     | 21.55                  | 21.55                      | 21.46                |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 21.41               | 21.72                     | 21.47                  | 21.90                      | 21.52                | 23                  | 1        |  |
| 5               | 16QAM      | 1       | 24        | 21.71               | 21.74                     | 21.69                  | 21.59                      | 21.58                |                     |          |  |
| 5               | 16QAM      | 12      | 0         | 20.53               | 20.30                     | 20.70                  | 20.59                      | 20.64                |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 20.45               | 20.63                     | 20.49                  | 20.36                      | 20.35                | 22                  | 2        |  |
| 5               | 16QAM      | 12      | 13        | 20.62               | 20.69                     | 20.68                  | 20.27                      | 20.65                |                     |          |  |
| 5               | 16QAM      | 25      | 0         | 20.53               | 20.53                     | 20.31                  | 20.45                      | 20.58                |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 20.25               | 20.39                     | 20.39                  | 20.09                      | 20.42                | 22                  | 2        |  |
| 5               | 64QAM      | 1       | 12        | 20.35               | 20.48                     | 20.75                  | 20.44                      | 20.48                |                     |          |  |
| 5               | 64QAM      | 1       | 24        | 20.84               | 20.43                     | 20.83                  | 20.70                      | 20.69                |                     |          |  |
| 5               | 64QAM      | 12      | 0         | 19.49               | 19.87                     | 19.64                  | 19.71                      | 19.32                |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 19.53               | 19.56                     | 19.73                  | 19.54                      | 19.48                | 21                  | 3        |  |
| 5               | 64QAM      | 12      | 13        | 19.53               | 19.27                     | 19.37                  | 19.39                      | 19.66                |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 19.75               | 19.25                     | 19.67                  | 19.47                      | 19.67                |                     |          |  |
| 5               | 256QAM     | 1       | 0         | 17.48               | 17.65                     | 17.68                  | 17.32                      | 17.50                |                     |          |  |
| 5               | 256QAM     | 1       | 12        | 17.52               | 17.42                     | 17.72                  | 17.49                      | 17.80                | 19                  | 5        |  |
| 5               | 256QAM     | 1       | 24        | 17.48               | 17.39                     | 17.25                  | 17.52                      | 17.47                |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 17.69               | 17.79                     | 17.42                  | 17.64                      | 17.52                |                     |          |  |
| 5               | 256QAM     | 12      | 7         | 17.58               | 17.43                     | 17.45                  | 17.68                      | 17.48                | 19                  | 5        |  |
| 5               | 256QAM     | 12      | 13        | 17.61               | 17.60                     | 17.63                  | 17.64                      | 17.42                |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 17.49               | 17.74                     | 17.56                  | 17.49                      | 17.91                |                     |          |  |

| Band 5 Ant 4    |            |         |           |                       |                          |                        |                     |          |  |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |  |
| Channel         |            |         |           | 20450                 | 20525                    | 20600                  |                     |          |  |  |
| Frequency (MHz) |            |         |           | 839                   | 838.5                    | 844                    |                     |          |  |  |
| 10              | QPSK       | 1       | 0         | 23.11                 | 23.21                    | 23.05                  | 24                  | 0        |  |  |
| 10              | QPSK       | 1       | 25        | 22.99                 | 22.96                    | 22.91                  |                     |          |  |  |
| 10              | QPSK       | 1       | 49        | 23.01                 | 23.20                    | 22.94                  |                     |          |  |  |
| 10              | QPSK       | 25      | 0         | 22.11                 | 22.19                    | 22.12                  | 23                  | 1        |  |  |
| 10              | QPSK       | 25      | 12        | 22.00                 | 21.98                    | 21.79                  |                     |          |  |  |
| 10              | QPSK       | 25      | 25        | 22.05                 | 22.07                    | 22.05                  |                     |          |  |  |
| 10              | QPSK       | 50      | 0         | 22.10                 | 22.14                    | 22.10                  | 23                  | 1        |  |  |
| 10              | 16QAM      | 1       | 0         | 22.00                 | 21.95                    | 21.92                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 25        | 22.05                 | 21.97                    | 21.95                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 49        | 22.28                 | 22.05                    | 22.14                  | 22                  | 2        |  |  |
| 10              | 16QAM      | 25      | 0         | 20.85                 | 20.89                    | 20.72                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 12        | 20.94                 | 21.17                    | 20.91                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 25        | 20.76                 | 20.95                    | 20.76                  | 22                  | 2        |  |  |
| 10              | 16QAM      | 50      | 0         | 20.86                 | 21.07                    | 20.85                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 0         | 21.14                 | 21.06                    | 20.83                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 25        | 21.01                 | 21.18                    | 20.98                  | 22                  | 2        |  |  |
| 10              | 64QAM      | 1       | 49        | 21.03                 | 20.90                    | 20.98                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 0         | 20.09                 | 20.02                    | 19.92                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 12        | 20.05                 | 20.11                    | 19.75                  | 21                  | 3        |  |  |
| 10              | 64QAM      | 25      | 25        | 20.16                 | 20.11                    | 19.93                  |                     |          |  |  |
| 10              | 64QAM      | 50      | 0         | 20.24                 | 20.05                    | 20.15                  |                     |          |  |  |
| 10              | 256QAM     | 1       | 0         | 18.08                 | 18.02                    | 18.16                  | 19                  | 5        |  |  |
| 10              | 256QAM     | 1       | 25        | 18.10                 | 18.26                    | 18.07                  |                     |          |  |  |
| 10              | 256QAM     | 1       | 49        | 17.91                 | 17.95                    | 18.03                  |                     |          |  |  |
| 10              | 256QAM     | 25      | 0         | 17.84                 | 18.21                    | 18.02                  | 19                  | 5        |  |  |
| 10              | 256QAM     | 25      | 12        | 18.08                 | 17.85                    | 17.84                  |                     |          |  |  |
| 10              | 256QAM     | 25      | 25        | 17.89                 | 18.10                    | 18.04                  |                     |          |  |  |
| 10              | 256QAM     | 50      | 0         | 18.12                 | 18.12                    | 17.95                  |                     |          |  |  |
| Channel         |            |         |           | 20425                 | 20525                    | 20625                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 825.5                 | 836.5                    | 846.5                  |                     |          |  |  |
| 5               | QPSK       | 1       | 0         | 23.05                 | 23.00                    | 22.92                  | 24                  | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 22.88                 | 22.96                    | 22.79                  |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 23.01                 | 23.00                    | 22.83                  |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 22.10                 | 22.10                    | 21.96                  | 23                  | 1        |  |  |
| 5               | QPSK       | 12      | 7         | 21.95                 | 21.95                    | 21.83                  |                     |          |  |  |
| 5               | QPSK       | 12      | 13        | 21.88                 | 21.89                    | 21.84                  |                     |          |  |  |
| 5               | QPSK       | 25      | 0         | 21.96                 | 22.10                    | 21.95                  | 23                  | 1        |  |  |
| 5               | 16QAM      | 1       | 0         | 22.01                 | 21.92                    | 21.73                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 12        | 21.91                 | 21.92                    | 21.92                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 24        | 22.10                 | 21.84                    | 22.10                  | 22                  | 2        |  |  |
| 5               | 16QAM      | 12      | 0         | 20.66                 | 20.80                    | 20.64                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 7         | 20.89                 | 20.99                    | 20.90                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 13        | 20.80                 | 20.83                    | 20.71                  | 22                  | 2        |  |  |
| 5               | 16QAM      | 25      | 0         | 20.87                 | 21.09                    | 20.87                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 0         | 21.02                 | 20.86                    | 20.78                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 12        | 20.87                 | 20.98                    | 21.00                  | 22                  | 2        |  |  |
| 5               | 64QAM      | 1       | 24        | 20.90                 | 20.84                    | 20.81                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 0         | 19.91                 | 19.82                    | 19.78                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 7         | 20.07                 | 19.96                    | 19.77                  | 21                  | 3        |  |  |
| 5               | 64QAM      | 12      | 13        | 20.16                 | 19.97                    | 19.91                  |                     |          |  |  |
| 5               | 64QAM      | 25      | 0         | 20.17                 | 19.84                    | 20.00                  |                     |          |  |  |
| 5               | 256QAM     | 1       | 0         | 17.95                 | 17.87                    | 18.15                  | 19                  | 5        |  |  |
| 5               | 256QAM     | 1       | 12        | 18.00                 | 18.13                    | 17.94                  |                     |          |  |  |
| 5               | 256QAM     | 1       | 24        | 17.69                 | 17.95                    | 17.83                  |                     |          |  |  |
| 5               | 256QAM     | 12      | 0         | 17.71                 | 18.09                    | 18.01                  | 19                  | 5        |  |  |
| 5               | 256QAM     | 12      | 7         | 18.04                 | 17.76                    | 17.77                  |                     |          |  |  |
| 5               | 256QAM     | 12      | 13        | 17.73                 | 18.09                    | 17.96                  |                     |          |  |  |
| 5               | 256QAM     | 25      | 0         | 17.97                 | 18.05                    | 17.92                  |                     |          |  |  |
| Channel         |            |         |           | 20415                 | 20525                    | 20635                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 825.5                 | 836.5                    | 847.5                  |                     |          |  |  |
| 3               | QPSK       | 1       | 0         | 22.93                 | 23.11                    | 22.89                  | 24                  | 0        |  |  |
| 3               | QPSK       | 1       | 8         | 23.00                 | 22.94                    | 22.77                  |                     |          |  |  |
| 3               | QPSK       | 1       | 14        | 22.79                 | 23.15                    | 22.95                  |                     |          |  |  |
| 3               | QPSK       | 8       | 0         | 21.95                 | 22.14                    | 22.11                  | 23                  | 1        |  |  |
| 3               | QPSK       | 8       | 4         | 21.84                 | 21.86                    | 21.64                  |                     |          |  |  |
| 3               | QPSK       | 8       | 7         | 21.82                 | 22.06                    | 21.94                  |                     |          |  |  |
| 3               | QPSK       | 15      | 0         | 22.11                 | 21.96                    | 21.88                  | 23                  | 1        |  |  |
| 3               | 16QAM      | 1       | 0         | 21.89                 | 21.95                    | 21.70                  |                     |          |  |  |
| 3               | 16QAM      | 1       | 8         | 21.90                 | 21.75                    | 21.83                  |                     |          |  |  |
| 3               | 16QAM      | 1       | 14        | 22.12                 | 21.99                    | 21.97                  | 22                  | 2        |  |  |
| 3               | 16QAM      | 8       | 0         | 20.71                 | 20.78                    | 20.66                  |                     |          |  |  |
| 3               | 16QAM      | 8       | 4         | 20.77                 | 21.07                    | 20.87                  |                     |          |  |  |
| 3               | 16QAM      | 8       | 7         | 20.70                 | 20.93                    | 20.76                  | 22                  | 2        |  |  |
| 3               | 16QAM      | 15      | 0         | 20.84                 | 20.86                    | 20.70                  |                     |          |  |  |
| 3               | 64QAM      | 1       | 0         | 20.97                 | 20.87                    | 20.87                  |                     |          |  |  |
| 3               | 64QAM      | 1       | 8         | 20.84                 | 20.96                    | 20.92                  | 22                  | 2        |  |  |
| 3               | 64QAM      | 1       | 14        | 20.97                 | 20.90                    | 20.89                  |                     |          |  |  |
| 3               | 64QAM      | 8       | 0         | 19.94                 | 19.83                    | 19.86                  | 21                  | 3        |  |  |
| 3               | 64QAM      | 8       | 4         | 19.90                 | 19.99                    | 19.57                  |                     |          |  |  |
| 3               | 64QAM      | 8       | 7         | 19.94                 | 20.06                    | 19.93                  |                     |          |  |  |
| 3               | 64QAM      | 15      | 0         | 20.10                 | 19.96                    | 19.93                  | 19                  | 5        |  |  |
| 3               | 256QAM     | 1       | 0         | 18.08                 | 17.84                    | 17.99                  |                     |          |  |  |
| 3               | 256QAM     | 1       | 8         | 18.05                 | 18.05                    | 17.91                  |                     |          |  |  |
| 3               | 256QAM     | 1       | 14        | 17.91                 | 17.84                    | 17.85                  | 19                  | 5        |  |  |
| 3               | 256QAM     | 8       | 0         | 17.69                 | 18.12                    | 17.99                  |                     |          |  |  |
| 3               | 256QAM     | 8       | 4         | 17.90                 | 17.82                    | 17.75                  |                     |          |  |  |
| 3               | 256QAM     | 8       | 7         | 17.80                 | 18.09                    | 17.91                  | 19                  | 5        |  |  |
| 3               | 256QAM     | 15      | 0         | 18.12                 | 17.94                    | 17.79                  |                     |          |  |  |
| Channel         |            |         |           | 20407                 | 20525                    | 20643                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 824.7                 | 836.5                    | 848.3                  |                     |          |  |  |
| 1.4             | QPSK       | 1       | 0         | 23.05                 | 23.08                    | 22.94                  | 24                  | 0        |  |  |
| 1.4             | QPSK       | 1       | 3         | 23.00                 | 22.90                    | 22.79                  |                     |          |  |  |
| 1.4             | QPSK       | 1       | 5         | 22.96                 | 23.17                    | 22.95                  |                     |          |  |  |
| 1.4             | QPSK       | 3       | 0         | 23.00                 | 23.19                    | 22.88                  | 23                  | 1        |  |  |
| 1.4             | QPSK       | 3       | 1         | 22.96                 | 22.90                    | 22.79                  |                     |          |  |  |
| 1.4             | QPSK       | 3       | 3         | 22.95                 | 23.16                    | 22.93                  |                     |          |  |  |
| 1.4             | QPSK       | 6       | 0         | 21.97                 | 22.02                    | 22.07                  | 23                  | 1        |  |  |
| 1.4             | 16QAM      | 1       | 0         | 21.86                 | 21.93                    | 21.74                  |                     |          |  |  |
| 1.4             | 16QAM      | 1       | 3         | 21.95                 | 21.81                    | 21.78                  |                     |          |  |  |
| 1.4             | 16QAM      | 1       | 5         | 22.14                 | 22.00                    | 22.05                  | 23                  | 1        |  |  |
| 1.4             | 16QAM      | 3       | 0         | 22.01                 | 21.96                    | 22.09                  |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.97                 | 21.97                    | 21.93                  |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 3         | 22.03                 | 21.83                    | 21.85                  | 22                  | 2        |  |  |
| 1.4             | 16QAM      | 6       | 0         | 20.71                 | 21.04                    | 20.73                  |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 0         | 21.15                 | 20.97                    | 20.83                  |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 3         | 20.87                 | 21.20                    | 20.87                  | 22                  | 2        |  |  |
| 1.4             | 64QAM      | 1       | 5         | 20.99                 | 20.85                    | 20.97                  |                     |          |  |  |
| 1.4             | 64QAM      | 3       | 0         | 20.92                 | 21.13                    | 20.73                  |                     |          |  |  |
| 1.4             | 64QAM      | 3       | 1         | 20.70                 | 20.81                    | 20.70                  | 21                  | 3        |  |  |
| 1.4             | 64QAM      | 3       | 3         | 20.73                 | 20.95                    | 20.79                  |                     |          |  |  |
| 1.4             | 64QAM      | 6       | 0         | 20.05                 | 20.02                    | 20.06                  |                     |          |  |  |
| 1.4             | 256QAM     | 1       | 0         | 17.95                 | 18.10                    | 18.06                  | 21                  | 3        |  |  |
| 1.4             | 256QAM     | 1       | 3         | 18.10                 | 18.10                    | 17.94                  |                     |          |  |  |
| 1.4             | 256QAM     | 1       | 5         | 17.71                 | 17.86                    | 18.02                  |                     |          |  |  |
| 1.4             | 256QAM     | 3       | 0         | 17.91                 | 18.03                    | 17.98                  | 19                  | 5        |  |  |
| 1.4             | 256QAM     | 3       | 1         | 18.04                 | 18.06                    | 17.98                  |                     |          |  |  |
| 1.4             | 256QAM     | 3       | 3         | 17.83                 | 17.96                    | 18.03                  |                     |          |  |  |
| 1.4             | 256QAM     | 6       | 0         | 18.02                 | 17.97                    | 17.88                  |                     |          |  |  |

## Reduced Power Mode for DS12\_Other Path

| Band 5 Ant 0    |            |         |           |                     |                        |                      |                     |          |  |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Middle Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 2040                | 2050                   | 2060                 |                     |          |  |
| Frequency (MHz) |            |         |           | 830                 | 836.5                  | 844                  |                     |          |  |
| 10              | QPSK       | 1       | 0         | 22.73               | 22.93                  | 22.77                | 24                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 22.75               | 22.72                  | 22.72                |                     |          |  |
| 10              | QPSK       | 1       | 49        | 22.75               | 22.77                  | 22.77                |                     |          |  |
| 10              | QPSK       | 25      | 0         | 21.85               | 21.94                  | 21.91                |                     |          |  |
| 10              | QPSK       | 25      | 12        | 21.85               | 21.76                  | 21.91                | 23                  | 1        |  |
| 10              | QPSK       | 25      | 25        | 21.85               | 21.85                  | 21.87                |                     |          |  |
| 10              | QPSK       | 50      | 0         | 21.75               | 21.95                  | 21.75                |                     |          |  |
| 10              | 16QAM      | 1       | 0         | 21.78               | 22.05                  | 21.83                |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 21.84               | 21.75                  | 21.95                | 23                  | 1        |  |
| 10              | 16QAM      | 1       | 49        | 21.85               | 21.83                  | 21.81                |                     |          |  |
| 10              | 16QAM      | 25      | 0         | 21.01               | 20.98                  | 20.97                |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 20.85               | 20.88                  | 20.88                |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 20.90               | 20.76                  | 20.75                | 22                  | 2        |  |
| 10              | 16QAM      | 50      | 0         | 20.90               | 20.69                  | 21.02                |                     |          |  |
| 10              | 84QAM      | 1       | 0         | 20.94               | 20.93                  | 20.90                |                     |          |  |
| 10              | 84QAM      | 1       | 25        | 20.89               | 20.81                  | 20.89                |                     |          |  |
| 10              | 84QAM      | 1       | 49        | 20.93               | 20.71                  | 20.72                | 22                  | 2        |  |
| 10              | 84QAM      | 25      | 0         | 19.77               | 19.75                  | 19.63                |                     |          |  |
| 10              | 84QAM      | 25      | 12        | 19.75               | 19.77                  | 20.05                |                     |          |  |
| 10              | 84QAM      | 25      | 25        | 19.74               | 19.93                  | 19.81                |                     |          |  |
| 10              | 84QAM      | 50      | 0         | 19.75               | 19.68                  | 19.89                | 21                  | 3        |  |
| 10              | 256QAM     | 1       | 0         | 17.94               | 17.97                  | 17.85                |                     |          |  |
| 10              | 256QAM     | 1       | 25        | 18.01               | 17.91                  | 18.04                |                     |          |  |
| 10              | 256QAM     | 1       | 49        | 18.01               | 17.81                  | 17.95                |                     |          |  |
| 10              | 256QAM     | 25      | 0         | 17.75               | 17.82                  | 17.81                | 19                  | 5        |  |
| 10              | 256QAM     | 25      | 12        | 18.07               | 17.71                  | 17.97                |                     |          |  |
| 10              | 256QAM     | 25      | 25        | 17.73               | 17.73                  | 17.98                |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 17.91               | 17.96                  | 17.93                |                     |          |  |
| Channel         |            |         |           | 20425               | 20525                  | 20625                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 836.5               | 836.5                  | 846.5                |                     |          |  |
| 5               | QPSK       | 1       | 0         | 22.62               | 22.75                  | 22.65                | 24                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 22.45               | 22.54                  | 22.72                |                     |          |  |
| 5               | QPSK       | 1       | 24        | 22.71               | 22.65                  | 22.70                |                     |          |  |
| 5               | QPSK       | 12      | 0         | 21.84               | 21.80                  | 21.74                |                     |          |  |
| 5               | QPSK       | 12      | 7         | 21.85               | 21.67                  | 21.92                | 23                  | 1        |  |
| 5               | QPSK       | 12      | 13        | 21.86               | 21.69                  | 21.76                |                     |          |  |
| 5               | QPSK       | 25      | 0         | 21.54               | 21.85                  | 21.65                |                     |          |  |
| 5               | 16QAM      | 1       | 0         | 21.59               | 21.89                  | 21.84                |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 21.84               | 21.60                  | 21.78                | 23                  | 1        |  |
| 5               | 16QAM      | 1       | 24        | 21.65               | 21.81                  | 21.76                |                     |          |  |
| 5               | 16QAM      | 12      | 0         | 20.87               | 20.68                  | 20.81                |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 20.85               | 20.82                  | 20.89                |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 20.69               | 20.75                  | 20.58                | 22                  | 2        |  |
| 5               | 16QAM      | 25      | 0         | 20.75               | 20.70                  | 20.84                |                     |          |  |
| 5               | 84QAM      | 1       | 0         | 20.91               | 20.78                  | 20.81                |                     |          |  |
| 5               | 84QAM      | 1       | 12        | 20.77               | 20.69                  | 20.88                |                     |          |  |
| 5               | 84QAM      | 1       | 24        | 20.91               | 20.53                  | 20.65                | 21                  | 3        |  |
| 5               | 84QAM      | 12      | 0         | 19.76               | 19.54                  | 19.59                |                     |          |  |
| 5               | 84QAM      | 12      | 7         | 19.75               | 19.77                  | 19.92                |                     |          |  |
| 5               | 84QAM      | 12      | 13        | 19.64               | 19.72                  | 19.83                |                     |          |  |
| 5               | 84QAM      | 25      | 0         | 19.71               | 19.67                  | 19.76                | 19                  | 5        |  |
| 5               | 256QAM     | 1       | 0         | 17.79               | 17.92                  | 17.87                |                     |          |  |
| 5               | 256QAM     | 1       | 12        | 17.65               | 17.82                  | 18.08                |                     |          |  |
| 5               | 256QAM     | 1       | 24        | 18.01               | 17.73                  | 17.85                |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 17.66               | 17.62                  | 17.73                | 19                  | 5        |  |
| 5               | 256QAM     | 12      | 7         | 17.94               | 17.70                  | 17.88                |                     |          |  |
| 5               | 256QAM     | 12      | 13        | 17.94               | 17.59                  | 17.78                |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 17.75               | 17.85                  | 17.92                |                     |          |  |
| Channel         |            |         |           | 20415               | 20525                  | 20635                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 836.5               | 836.5                  | 847.5                |                     |          |  |
| 3               | QPSK       | 1       | 0         | 22.61               | 22.87                  | 22.75                | 24                  | 0        |  |
| 3               | QPSK       | 1       | 8         | 22.35               | 22.71                  | 22.79                |                     |          |  |
| 3               | QPSK       | 1       | 14        | 22.53               | 22.57                  | 22.71                |                     |          |  |
| 3               | QPSK       | 8       | 0         | 21.84               | 21.90                  | 21.80                |                     |          |  |
| 3               | QPSK       | 8       | 4         | 21.69               | 21.67                  | 21.88                | 23                  | 1        |  |
| 3               | QPSK       | 8       | 7         | 21.85               | 21.70                  | 21.69                |                     |          |  |
| 3               | QPSK       | 15      | 0         | 21.51               | 21.96                  | 21.89                |                     |          |  |
| 3               | 16QAM      | 1       | 0         | 21.74               | 21.87                  | 21.83                |                     |          |  |
| 3               | 16QAM      | 1       | 8         | 21.85               | 21.54                  | 21.86                | 23                  | 1        |  |
| 3               | 16QAM      | 1       | 14        | 21.76               | 21.82                  | 21.74                |                     |          |  |
| 3               | 16QAM      | 8       | 0         | 21.00               | 20.90                  | 20.91                |                     |          |  |
| 3               | 16QAM      | 8       | 4         | 20.79               | 20.81                  | 20.72                |                     |          |  |
| 3               | 16QAM      | 8       | 7         | 20.70               | 20.75                  | 20.73                | 22                  | 2        |  |
| 3               | 16QAM      | 15      | 0         | 20.76               | 20.66                  | 20.96                |                     |          |  |
| 3               | 84QAM      | 1       | 0         | 20.81               | 20.78                  | 20.78                |                     |          |  |
| 3               | 84QAM      | 1       | 8         | 20.69               | 20.75                  | 20.73                |                     |          |  |
| 3               | 84QAM      | 1       | 14        | 20.89               | 20.54                  | 20.73                | 21                  | 3        |  |
| 3               | 84QAM      | 8       | 0         | 19.76               | 19.74                  | 19.88                |                     |          |  |
| 3               | 84QAM      | 8       | 4         | 19.70               | 19.75                  | 20.06                |                     |          |  |
| 3               | 84QAM      | 8       | 7         | 19.68               | 19.73                  | 19.76                |                     |          |  |
| 3               | 84QAM      | 15      | 0         | 19.77               | 19.61                  | 19.84                | 19                  | 5        |  |
| 3               | 256QAM     | 1       | 0         | 17.79               | 17.94                  | 17.80                |                     |          |  |
| 3               | 256QAM     | 1       | 8         | 17.67               | 17.71                  | 18.00                |                     |          |  |
| 3               | 256QAM     | 1       | 14        | 17.88               | 17.73                  | 17.74                |                     |          |  |
| 3               | 256QAM     | 8       | 0         | 17.76               | 17.72                  | 17.78                | 19                  | 5        |  |
| 3               | 256QAM     | 8       | 4         | 17.85               | 17.51                  | 17.83                |                     |          |  |
| 3               | 256QAM     | 8       | 7         | 17.72               | 17.74                  | 17.80                |                     |          |  |
| 3               | 256QAM     | 15      | 0         | 17.71               | 17.88                  | 17.73                |                     |          |  |
| Channel         |            |         |           | 20407               | 20525                  | 20643                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 834.7               | 836.5                  | 848.3                |                     |          |  |
| 1.4             | QPSK       | 1       | 0         | 22.52               | 22.78                  | 22.76                | 24                  | 0        |  |
| 1.4             | QPSK       | 1       | 5         | 22.51               | 22.87                  | 22.74                |                     |          |  |
| 1.4             | QPSK       | 1       | 5         | 22.44               | 22.65                  | 22.58                |                     |          |  |
| 1.4             | QPSK       | 3       | 0         | 22.64               | 22.89                  | 22.85                |                     |          |  |
| 1.4             | QPSK       | 3       | 1         | 22.50               | 22.77                  | 22.54                | 23                  | 1        |  |
| 1.4             | QPSK       | 3       | 2         | 22.56               | 22.72                  | 22.84                |                     |          |  |
| 1.4             | QPSK       | 6       | 0         | 21.91               | 21.85                  | 21.77                |                     |          |  |
| 1.4             | 16QAM      | 1       | 0         | 21.71               | 21.87                  | 21.87                |                     |          |  |
| 1.4             | 16QAM      | 1       | 3         | 21.65               | 21.84                  | 21.76                | 23                  | 1        |  |
| 1.4             | 16QAM      | 1       | 5         | 21.60               | 21.78                  | 21.82                |                     |          |  |
| 1.4             | 16QAM      | 3       | 0         | 21.68               | 21.65                  | 21.70                |                     |          |  |
| 1.4             | 16QAM      | 3       | 1         | 21.80               | 21.79                  | 21.84                |                     |          |  |
| 1.4             | 16QAM      | 3       | 3         | 21.59               | 21.50                  | 21.59                | 22                  | 2        |  |
| 1.4             | 16QAM      | 6       | 0         | 20.67               | 20.99                  | 20.91                |                     |          |  |
| 1.4             | 84QAM      | 1       | 0         | 20.63               | 20.81                  | 20.64                |                     |          |  |
| 1.4             | 84QAM      | 1       | 3         | 20.74               | 20.58                  | 20.66                |                     |          |  |
| 1.4             | 84QAM      | 1       | 5         | 20.81               | 20.64                  | 20.62                | 22                  | 2        |  |
| 1.4             | 84QAM      | 3       | 0         | 20.77               | 20.64                  | 20.95                |                     |          |  |
| 1.4             | 84QAM      | 3       | 1         | 20.74               | 20.78                  | 20.78                |                     |          |  |
| 1.4             | 84QAM      | 3       | 3         | 20.88               | 20.54                  | 20.86                |                     |          |  |
| 1.4             | 84QAM      | 6       | 0         | 19.95               | 19.57                  | 19.74                | 21                  | 3        |  |
| 1.4             | 256QAM     | 1       | 0         | 17.94               | 17.80                  | 17.76                |                     |          |  |
| 1.4             | 256QAM     | 1       | 3         | 18.03               | 17.79                  | 17.86                |                     |          |  |
| 1.4             | 256QAM     | 1       | 5         | 17.88               | 17.81                  | 17.93                |                     |          |  |
| 1.4             | 256QAM     | 3       | 0         | 17.70               | 17.70                  | 17.81                | 19                  | 5        |  |
| 1.4             | 256QAM     | 3       | 1         | 18.02               | 17.63                  | 17.82                |                     |          |  |
| 1.4             | 256QAM     | 3       | 3         | 17.70               | 17.63                  | 17.81                |                     |          |  |
| 1.4             | 256QAM     | 6       | 0         | 17.84               | 17.73                  | 17.89                |                     |          |  |

| Band 26 Ant 0   |            |         |           |                                                      |                        |                             |                     |          |  |
|-----------------|------------|---------|-----------|------------------------------------------------------|------------------------|-----------------------------|---------------------|----------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch / Freq                                  | Power Middle Ch / Freq | Power High Ch / Freq        | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 2610                                                 | 2615                   | 2620                        |                     |          |  |
| Frequency (MHz) |            |         |           | 821.5                                                | 831.5                  | 841.5                       |                     |          |  |
| 15              | QPSK       | 1       | 0         | 22.72                                                | 23.01                  | 22.85                       | 24                  | 0        |  |
| 15              | QPSK       | 1       | 37        | 22.82                                                | 22.71                  | 22.91                       |                     |          |  |
| 15              | QPSK       | 36      | 0         | 21.67                                                | 21.84                  | 21.79                       | 23                  | 1        |  |
| 15              | QPSK       | 36      | 20        | 21.71                                                | 21.64                  | 21.75                       |                     |          |  |
| 15              | QPSK       | 36      | 39        | 21.72                                                | 21.79                  | 21.80                       | 23                  | 1        |  |
| 15              | QPSK       | 36      | 58        | 21.81                                                | 21.72                  | 21.71                       |                     |          |  |
| 15              | 16QAM      | 1       | 0         | 21.60                                                | 21.68                  | 21.60                       | 22                  | 2        |  |
| 15              | 16QAM      | 1       | 37        | 21.56                                                | 21.68                  | 21.66                       |                     |          |  |
| 15              | 16QAM      | 1       | 74        | 21.67                                                | 21.70                  | 21.74                       | 22                  | 2        |  |
| 15              | 16QAM      | 36      | 20        | 20.73                                                | 20.70                  | 20.71                       |                     |          |  |
| 15              | 16QAM      | 36      | 39        | 20.83                                                | 20.90                  | 20.77                       | 21                  | 2        |  |
| 15              | 16QAM      | 36      | 58        | 20.83                                                | 20.81                  | 20.85                       |                     |          |  |
| 15              | 16QAM      | 36      | 74        | 20.74                                                | 20.73                  | 20.73                       | 22                  | 2        |  |
| 15              | 16QAM      | 36      | 93        | 20.75                                                | 20.75                  | 20.78                       |                     |          |  |
| 15              | 64QAM      | 1       | 74        | 20.68                                                | 20.62                  | 20.67                       | 21                  | 2        |  |
| 15              | 64QAM      | 36      | 0         | 19.91                                                | 19.72                  | 19.90                       |                     |          |  |
| 15              | 64QAM      | 36      | 20        | 19.83                                                | 19.84                  | 19.81                       | 21                  | 2        |  |
| 15              | 64QAM      | 36      | 39        | 19.72                                                | 19.86                  | 19.88                       |                     |          |  |
| 15              | 64QAM      | 36      | 58        | 19.75                                                | 19.81                  | 19.78                       | 19                  | 5        |  |
| 15              | 256QAM     | 1       | 0         | 17.56                                                | 17.61                  | 17.68                       |                     |          |  |
| 15              | 256QAM     | 1       | 37        | 17.64                                                | 17.73                  | 17.69                       | 19                  | 5        |  |
| 15              | 256QAM     | 1       | 74        | 17.72                                                | 17.86                  | 17.82                       |                     |          |  |
| 15              | 256QAM     | 36      | 0         | 17.63                                                | 17.50                  | 17.64                       | 19                  | 5        |  |
| 15              | 256QAM     | 36      | 20        | 17.78                                                | 17.56                  | 17.62                       |                     |          |  |
| 15              | 256QAM     | 36      | 39        | 17.70                                                | 17.75                  | 17.78                       | 21                  | 2        |  |
| 15              | 256QAM     | 36      | 58        | 17.62                                                | 17.72                  | 17.66                       |                     |          |  |
| Channel         |            |         |           | 2615                                                 | 2620                   | 2625                        |                     |          |  |
| Frequency (MHz) |            |         |           | 819 <th>831.5</th> <th>844<th colspan="3"></th></th> | 831.5                  | 844 <th colspan="3"></th>   |                     |          |  |
| 10              | QPSK       | 1       | 0         | 22.63                                                | 22.87                  | 22.77                       | 24                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 22.73                                                | 22.65                  | 22.40                       |                     |          |  |
| 10              | QPSK       | 1       | 49        | 22.58                                                | 22.71                  | 22.51                       | 23                  | 1        |  |
| 10              | QPSK       | 25      | 21        | 21.67                                                | 21.61                  | 21.58                       |                     |          |  |
| 10              | QPSK       | 25      | 12        | 21.73                                                | 21.59                  | 21.61                       | 23                  | 1        |  |
| 10              | QPSK       | 25      | 25        | 21.64                                                | 21.70                  | 21.62                       |                     |          |  |
| 10              | QPSK       | 50      | 0         | 21.55                                                | 21.60                  | 21.58                       | 23                  | 1        |  |
| 10              | 16QAM      | 1       | 25        | 21.56                                                | 21.62                  | 21.65                       |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 21.53                                                | 21.80                  | 21.84                       | 22                  | 2        |  |
| 10              | 16QAM      | 25      | 0         | 20.77                                                | 20.68                  | 20.73                       |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 20.88                                                | 20.69                  | 20.68                       | 22                  | 2        |  |
| 10              | 16QAM      | 25      | 25        | 20.79                                                | 20.90                  | 20.69                       |                     |          |  |
| 10              | 16QAM      | 50      | 0         | 20.78                                                | 20.64                  | 20.66                       | 21                  | 3        |  |
| 10              | 64QAM      | 1       | 0         | 20.56                                                | 20.71                  | 20.62                       |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 20.74                                                | 20.59                  | 20.63                       | 21                  | 3        |  |
| 10              | 64QAM      | 25      | 0         | 20.58                                                | 20.49                  | 20.89                       |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 19.91                                                | 19.60                  | 19.73                       | 19                  | 5        |  |
| 10              | 64QAM      | 25      | 12        | 19.64                                                | 19.71                  | 19.61                       |                     |          |  |
| 10              | 64QAM      | 25      | 25        | 19.54                                                | 19.60                  | 19.78                       | 19                  | 5        |  |
| 10              | 64QAM      | 50      | 0         | 19.75                                                | 19.67                  | 19.68                       |                     |          |  |
| 10              | 256QAM     | 1       | 0         | 17.50                                                | 17.50                  | 17.53                       | 21                  | 3        |  |
| 10              | 256QAM     | 1       | 25        | 17.47                                                | 17.82                  | 17.87                       |                     |          |  |
| 10              | 256QAM     | 1       | 49        | 17.70                                                | 17.76                  | 17.55                       | 19                  | 5        |  |
| 10              | 256QAM     | 25      | 12        | 17.62                                                | 17.78                  | 17.69                       |                     |          |  |
| 10              | 256QAM     | 25      | 12        | 17.67                                                | 17.54                  | 17.56                       | 21                  | 3        |  |
| 10              | 256QAM     | 25      | 25        | 17.49                                                | 17.58                  | 17.68                       |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 17.62                                                | 17.52                  | 17.52                       | 21                  | 3        |  |
| Channel         |            |         |           | 2615                                                 | 2620                   | 2625                        |                     |          |  |
| Frequency (MHz) |            |         |           | 819.5                                                | 831.5                  | 848.5 <th colspan="3"></th> |                     |          |  |
| 5               | QPSK       | 1       | 0         | 22.73                                                | 22.94                  | 22.84                       | 24                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 22.73                                                | 22.50                  | 22.48                       |                     |          |  |
| 5               | QPSK       | 1       | 24        | 22.59                                                | 22.73                  | 22.74                       | 23                  | 1        |  |
| 5               | QPSK       | 12      | 0         | 21.65                                                | 21.74                  | 21.65                       |                     |          |  |
| 5               | QPSK       | 12      | 0         | 21.57                                                | 21.62                  | 21.55                       | 22                  | 2        |  |
| 5               | QPSK       | 12      | 13        | 21.55                                                | 21.65                  | 21.80                       |                     |          |  |
| 5               | QPSK       | 25      | 0         | 21.58                                                | 21.63                  | 21.57                       | 21                  | 3        |  |
| 5               | 16QAM      | 1       | 0         | 21.46                                                | 21.59                  | 21.50                       |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 21.52                                                | 21.21                  | 21.48                       | 21                  | 3        |  |
| 5               | 16QAM      | 1       | 24        | 21.52                                                | 21.54                  | 21.70                       |                     |          |  |
| 5               | 16QAM      | 12      | 0         | 20.85                                                | 20.59                  | 20.72                       | 21                  | 3        |  |
| 5               | 16QAM      | 12      | 7         | 20.72                                                | 20.66                  | 20.52                       |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 20.77                                                | 20.65                  | 20.59                       | 22                  | 2        |  |
| 5               | 16QAM      | 25      | 0         | 20.83                                                | 20.60                  | 20.63                       |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 20.69                                                | 20.63                  | 20.63                       | 22                  | 2        |  |
| 5               | 64QAM      | 1       | 12        | 20.57                                                | 20.43                  | 20.57                       |                     |          |  |
| 5               | 64QAM      | 1       | 24        | 20.65                                                | 20.43                  | 20.79                       | 21                  | 3        |  |
| 5               | 64QAM      | 12      | 0         | 19.74                                                | 19.75                  | 19.82                       |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 19.72                                                | 19.71                  | 19.66                       | 19                  | 5        |  |
| 5               | 64QAM      | 12      | 13        | 19.55                                                | 19.43                  | 19.92                       |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 19.72                                                | 19.62                  | 19.69                       | 19                  | 5        |  |
| 5               | 64QAM      | 25      | 0         | 17.40                                                | 17.47                  | 17.46                       |                     |          |  |
| 5               | 256QAM     | 1       | 12        | 17.53                                                | 17.65                  | 17.72                       | 19                  | 5        |  |
| 5               | 256QAM     | 1       | 24        | 17.70                                                | 17.77                  | 17.43                       |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 17.42                                                | 17.38                  | 17.43                       | 21                  | 3        |  |
| 5               | 256QAM     | 12      | 7         | 17.68                                                | 17.72                  | 17.62                       |                     |          |  |
| 5               | 256QAM     | 12      | 13        | 17.51                                                | 17.75                  | 17.64                       | 19                  | 5        |  |
| 5               | 256QAM     | 25      | 0         | 17.49                                                | 17.58                  | 17.65                       |                     |          |  |
| Channel         |            |         |           | 2615                                                 | 2620                   | 2702.5                      |                     |          |  |
| Frequency (MHz) |            |         |           | 814.7                                                | 831.5                  | 848.3 <th colspan="3"></th> |                     |          |  |
| 3               | QPSK       | 1       | 0         | 22.56                                                | 22.83                  | 22.65                       | 24                  | 0        |  |
| 3               | QPSK       | 1       | 8         | 22.60                                                | 22.60                  | 22.36                       |                     |          |  |
| 3               | QPSK       | 1       | 14        | 22.70                                                | 22.72                  | 22.68                       | 23                  | 1        |  |
| 3               | QPSK       | 8       | 0         | 21.64                                                | 21.71                  | 21.71                       |                     |          |  |
| 3               | QPSK       | 8       | 4         | 21.54                                                | 21.47                  | 21.60                       | 22                  | 2        |  |
| 3               | QPSK       | 8       | 8         | 21.54                                                | 21.73                  | 21.81                       |                     |          |  |
| 3               | QPSK       | 15      | 0         | 21.48                                                | 21.65                  | 21.54                       | 21                  | 3        |  |
| 3               | 16QAM      | 1       | 0         | 21.49                                                | 21.66                  | 21.46                       |                     |          |  |
| 3               | 16QAM      | 1       | 8         | 21.43                                                | 21.55                  | 21.53                       | 22                  | 2        |  |
| 3               | 16QAM      | 1       | 14        | 21.50                                                | 21.24                  | 21.64                       |                     |          |  |
| 3               | 16QAM      | 8       | 0         | 20.67                                                | 20.63                  | 20.65                       | 21                  | 3        |  |
| 3               | 16QAM      | 8       | 4         | 20.52                                                | 20.49                  | 20.55                       |                     |          |  |
| 3               | 16QAM      | 8       | 7         | 20.81                                                | 20.88                  | 20.74                       | 22                  | 2        |  |
| 3               | 64QAM      | 1       | 0         | 20.62                                                | 20.55                  | 20.61                       |                     |          |  |
| 3               | 64QAM      | 1       | 8         | 20.61                                                | 20.55                  | 20.75                       | 21                  | 3        |  |
| 3               | 64QAM      | 1       | 14        | 20.51                                                | 20.48                  | 20.83                       |                     |          |  |
| 3               | 64QAM      | 8       | 0         | 19.92                                                | 19.97                  | 19.77                       | 21                  | 3        |  |
| 3               | 64QAM      | 8       | 4         | 19.64                                                | 19.94                  | 19.77                       |                     |          |  |
| 3               | 64QAM      | 8       | 7         | 19.60                                                | 19.43                  | 19.92                       | 19                  | 5        |  |
| 3               | 64QAM      | 15      | 0         | 19.65                                                | 19.64                  | 19.97                       |                     |          |  |
| 3               | 256QAM     | 1       | 0         | 17.49                                                | 17.57                  | 17.57                       | 19                  | 5        |  |
| 3               | 256QAM     | 8       | 0         | 17.48                                                | 17.74                  | 17.72                       |                     |          |  |
| 3               | 256QAM     | 1       | 14        | 17.51                                                | 17.83                  | 17.40                       | 19                  | 5        |  |
| 3               | 256QAM     | 8       | 0         | 17.43                                                | 17.48                  | 17.56                       |                     |          |  |
| 3               | 256QAM     | 8       | 4         | 17.69                                                | 17.37                  | 17.58                       | 21                  | 3        |  |
| 3               | 256QAM     | 8       | 7         | 17.84                                                | 17.78                  | 17.63                       |                     |          |  |
| 3               | 256QAM     | 15      | 0         | 17.59                                                | 17.57                  | 17.63                       | 22                  | 2        |  |
| Channel         |            |         |           | 2697                                                 | 2695                   | 2703                        |                     |          |  |
| Frequency (MHz) |            |         |           | 814.7                                                | 831.5                  | 848.3 <th colspan="3"></th> |                     |          |  |
| 1.4             | QPSK       | 1       | 0         | 22.61                                                | 22.72                  | 22.62                       | 24                  | 0        |  |
| 1.4             | QPSK       | 1       | 2         | 22.64                                                | 22.23                  | 22.53                       |                     |          |  |
| 1.4             | QPSK       | 1       | 5         | 22.60                                                | 22.78                  | 22.52                       | 24                  | 0        |  |
| 1.4             | QPSK       | 3       | 0         | 22.61                                                | 22.91                  | 22.84                       |                     |          |  |
| 1.4             | QPSK       | 1       | 1         | 22.78                                                | 22.63                  | 22.50                       | 23                  | 1        |  |
| 1.4             | QPSK       | 3       | 2         | 22.51                                                | 22.65                  | 22.89                       |                     |          |  |
| 1.4             | QPSK       | 3       | 0         | 21.53                                                | 21.65                  | 21.71                       | 23                  | 1        |  |
| 1.4             | 16QAM      | 1       | 0         | 21.51                                                | 21.66                  | 21.69                       |                     |          |  |
| 1.4             | 16QAM      | 1       | 3         | 21.61                                                | 21.60                  | 21.61                       | 23                  | 1        |  |
| 1.4             | 16QAM      | 3       | 0         | 21.78                                                | 21.21                  | 21.61                       |                     |          |  |
| 1.4             | 16QAM      | 3       | 3         | 21.50                                                | 21.50                  | 21.39                       | 22                  | 2        |  |
| 1.4             | 16QAM      | 3       | 3         | 21.69                                                | 21.61                  | 21.52                       |                     |          |  |
| 1.4             | 16QAM      | 3       | 3         | 20.61                                                | 20.61                  | 20.64                       | 22                  | 2        |  |
| 1.4             | 64QAM      | 1       | 3         | 20.74                                                | 20.54                  | 20.69                       |                     |          |  |
| 1.4             | 64QAM      | 3       | 5         | 20.65                                                | 20.63                  | 20.63                       | 21                  | 3        |  |
| 1.4             | 64QAM      | 3       | 0         | 20.79                                                | 20.55                  | 20.65                       |                     |          |  |
| 1.4             | 64QAM      | 3       | 3         | 20.63                                                | 20.59                  | 20.60                       | 19                  | 5        |  |
| 1.4             | 64QAM      | 3       | 3         | 20.49                                                | 20.71                  | 20.60                       |                     |          |  |
| 1.4             | 256QAM     | 1       | 0         | 19.55                                                | 19.69                  | 19.62                       | 21                  | 3        |  |
| 1.4             | 256QAM     | 1       | 0         | 17.50                                                | 17.58                  | 17.59                       |                     |          |  |
| 1.4             | 256QAM     | 3       | 3         | 17.40                                                | 17.69                  | 17.64                       | 19                  | 5        |  |
| 1.4             | 256QAM     | 3       | 0         | 17.60                                                | 17.81                  | 17.68                       |                     |          |  |
| 1.4             | 256QAM     | 3       | 3         | 17.60                                                | 17.71                  | 17.71                       | 19                  | 5        |  |
| 1.4             | 256QAM     | 3       | 1         | 17.46                                                | 17.39                  | 17.44                       |                     |          |  |
| 1.4             | 256QAM     | 3       | 3         | 17.60                                                | 17.63                  | 17.76                       | 19                  | 5        |  |
| 1.4             | 256QAM     | 3       | 3         | 17.63                                                | 17.63                  | 17.71                       |                     |          |  |

| Band 2 Ant 1 |            |         |           |                 |                  |                 |                  |              |          |   |
|--------------|------------|---------|-----------|-----------------|------------------|-----------------|------------------|--------------|----------|---|
| BW [MHz]     | Modulation | RB Size | RB Offset | Power Low [dBm] | Power High [dBm] | Power Low [dBm] | Power High [dBm] | Turn-up [dB] | MRR [dB] |   |
| Channel      |            |         |           |                 |                  |                 |                  |              |          |   |
| 20           | QPSK       | 1       | 0         | 22.82           | 22.88            | 22.87           |                  |              |          |   |
| 20           | QPSK       | 1       | 49        | 22.82           | 22.84            | 22.84           |                  |              | 24       | 0 |
| 20           | QPSK       | 1       | 99        | 22.82           | 22.84            | 22.84           |                  |              |          |   |
| 20           | QPSK       | 50      | 0         | 21.66           | 21.67            | 21.66           |                  |              |          |   |
| 20           | QPSK       | 50      | 24        | 21.74           | 21.61            | 21.55           |                  |              | 23       |   |
| 20           | QPSK       | 50      | 49        | 21.68           | 21.68            | 21.64           |                  |              |          |   |
| 20           | QPSK       | 100     | 0         | 21.73           | 21.70            | 21.74           |                  |              |          |   |
| 20           | 16QAM      | 1       | 0         | 21.68           | 21.65            | 21.65           |                  |              | 23       | 1 |
| 20           | 16QAM      | 1       | 49        | 21.61           | 21.64            | 21.64           |                  |              |          |   |
| 20           | 16QAM      | 1       | 99        | 21.74           | 21.64            | 21.73           |                  |              |          |   |
| 20           | 16QAM      | 50      | 0         | 20.89           | 20.85            | 20.89           |                  |              |          |   |
| 20           | 16QAM      | 50      | 24        | 20.55           | 20.53            | 20.72           |                  |              | 22       | 2 |
| 20           | 16QAM      | 50      | 50        | 20.61           | 20.60            | 20.54           |                  |              |          |   |
| 20           | 16QAM      | 100     | 0         | 20.81           | 20.54            | 20.60           |                  |              |          |   |
| 20           | 16QAM      | 100     | 24        | 20.52           | 20.59            | 20.52           |                  |              |          |   |
| 20           | 64QAM      | 1       | 0         | 20.63           | 20.55            | 20.77           |                  |              | 22       | 2 |
| 20           | 64QAM      | 1       | 49        | 20.25           | 20.25            | 20.77           |                  |              |          |   |
| 20           | 64QAM      | 1       | 99        | 20.43           | 20.40            | 20.54           |                  |              |          |   |
| 20           | 64QAM      | 50      | 0         | 19.58           | 19.59            | 19.56           |                  |              |          |   |
| 20           | 64QAM      | 50      | 24        | 19.67           | 19.64            | 19.62           |                  |              | 21       | 3 |
| 20           | 64QAM      | 100     | 0         | 19.61           | 19.64            | 19.72           |                  |              |          |   |
| 20           | 256QAM     | 1       | 0         | 17.52           | 17.71            | 17.69           |                  |              |          |   |
| 20           | 256QAM     | 1       | 49        | 17.58           | 17.68            | 17.68           |                  |              |          |   |
| 20           | 256QAM     | 1       | 99        | 17.64           | 17.73            | 17.77           |                  |              | 19       | 5 |
| 20           | 256QAM     | 50      | 0         | 17.61           | 17.64            | 17.68           |                  |              |          |   |
| 20           | 256QAM     | 50      | 24        | 17.59           | 17.62            | 17.67           |                  |              |          |   |
| 20           | 256QAM     | 100     | 0         | 17.60           | 17.56            | 17.57           |                  |              |          |   |
| 20           | 256QAM     | 100     | 8         | 17.63           | 17.57            | 17.65           |                  |              |          |   |
| Channel      |            |         |           |                 |                  |                 |                  |              |          |   |
|              |            |         |           | 1860.7          | 1860             | 1860.3          |                  | Turn-up [dB] | MRR [dB] |   |
| 15           | QPSK       | 1       | 0         | 22.52           | 22.73            | 22.81           |                  |              |          |   |
| 15           | QPSK       | 1       | 37        | 22.58           | 22.77            | 22.83           |                  |              |          |   |
| 15           | QPSK       | 1       | 74        | 22.48           | 22.61            | 22.70           |                  |              |          |   |
| 15           | QPSK       | 36      | 0         | 21.68           | 21.67            | 21.49           |                  |              | 23       | 1 |
| 15           | QPSK       | 36      | 18        | 21.56           | 21.41            | 21.41           |                  |              |          |   |
| 15           | QPSK       | 36      | 36        | 21.59           | 21.28            | 21.59           |                  |              |          |   |
| 15           | QPSK       | 75      | 0         | 21.62           | 21.67            | 21.73           |                  |              |          |   |
| 15           | 16QAM      | 1       | 0         | 21.59           | 21.61            | 21.61           |                  |              |          |   |
| 15           | 16QAM      | 1       | 37        | 21.53           | 21.46            | 21.58           |                  |              | 23       | 1 |
| 15           | 16QAM      | 1       | 74        | 21.63           | 21.46            | 21.59           |                  |              |          |   |
| 15           | 16QAM      | 36      | 0         | 20.52           | 20.49            | 20.55           |                  |              |          |   |
| 15           | 16QAM      | 36      | 20        | 20.34           | 20.49            | 20.38           |                  |              | 22       | 2 |
| 15           | 16QAM      | 36      | 36        | 20.50           | 20.35            | 20.46           |                  |              |          |   |
| 15           | 16QAM      | 75      | 0         | 20.54           | 20.49            | 20.54           |                  |              |          |   |
| 15           | 64QAM      | 1       | 0         | 20.33           | 20.49            | 20.39           |                  |              |          |   |
| 15           | 64QAM      | 1       | 37        | 20.40           | 20.39            | 20.74           |                  |              | 22       | 2 |
| 15           | 64QAM      | 1       | 74        | 20.35           | 20.52            | 20.43           |                  |              |          |   |
| 15           | 64QAM      | 36      | 0         | 19.47           | 19.60            | 19.35           |                  |              |          |   |
| 15           | 64QAM      | 36      | 18        | 19.58           | 19.44            | 19.40           |                  |              | 21       | 3 |
| 15           | 64QAM      | 36      | 36        | 19.45           | 19.55            | 19.65           |                  |              |          |   |
| 15           | 64QAM      | 75      | 0         | 19.61           | 19.64            | 19.65           |                  |              |          |   |
| 15           | 256QAM     | 1       | 37        | 17.42           | 17.50            | 17.52           |                  |              |          |   |
| 15           | 256QAM     | 1       | 74        | 17.49           | 17.60            | 17.76           |                  |              |          |   |
| 15           | 256QAM     | 36      | 0         | 17.45           | 17.46            | 17.46           |                  |              |          |   |
| 15           | 256QAM     | 36      | 20        | 17.43           | 17.67            | 17.42           |                  |              |          |   |
| 15           | 256QAM     | 36      | 36        | 17.46           | 17.58            | 17.37           |                  |              |          |   |
| 15           | 256QAM     | 75      | 0         | 17.45           | 17.55            | 17.42           |                  |              |          |   |
| 15           | 256QAM     | 75      | 0         | 17.45           | 17.55            | 17.42           |                  |              |          |   |
| Channel      |            |         |           |                 |                  |                 |                  |              |          |   |
|              |            |         |           | 1860.7          | 1860             | 1860.3          |                  | Turn-up [dB] | MRR [dB] |   |
| 5            | QPSK       | 1       | 0         | 22.34           | 22.34            | 22.48           |                  |              |          |   |
| 5            | QPSK       | 1       | 25        | 22.35           | 22.70            | 22.61           |                  |              | 24       | 0 |
| 5            | QPSK       | 1       | 49        | 22.47           | 22.89            | 22.56           |                  |              |          |   |
| 5            | QPSK       | 25      | 0         | 21.74           | 21.66            | 21.47           |                  |              |          |   |
| 5            | QPSK       | 25      | 12        | 21.71           | 21.45            | 21.48           |                  |              | 23       | 1 |
| 5            | QPSK       | 25      | 25        | 21.67           | 21.30            | 21.61           |                  |              |          |   |
| 5            | 16QAM      | 1       | 0         | 21.49           | 21.45            | 21.59           |                  |              |          |   |
| 5            | 16QAM      | 1       | 25        | 21.46           | 21.51            | 21.63           |                  |              | 23       | 1 |
| 5            | 16QAM      | 25      | 0         | 20.55           | 20.52            | 20.68           |                  |              |          |   |
| 5            | 16QAM      | 25      | 12        | 20.47           | 20.36            | 20.61           |                  |              | 23       | 1 |
| 5            | 16QAM      | 25      | 12        | 20.58           | 20.33            | 20.43           |                  |              |          |   |
| 5            | 16QAM      | 50      | 0         | 20.58           | 20.42            | 20.45           |                  |              | 22       | 2 |
| 5            | 64QAM      | 1       | 0         | 20.39           | 20.69            | 20.47           |                  |              |          |   |
| 5            | 64QAM      | 1       | 25        | 20.52           | 20.53            | 20.60           |                  |              |          |   |
| 5            | 64QAM      | 1       | 49        | 20.25           | 20.24            | 20.47           |                  |              | 22       | 2 |
| 5            | 64QAM      | 25      | 0         | 19.51           | 19.69            | 19.51           |                  |              |          |   |
| 5            | 64QAM      | 25      | 12        | 19.68           | 19.62            | 19.67           |                  |              | 21       | 3 |
| 5            | 64QAM      | 25      | 25        | 19.49           | 19.44            | 19.65           |                  |              |          |   |
| 5            | 64QAM      | 50      | 0         | 19.58           | 19.38            | 19.40           |                  |              |          |   |
| 5            | 256QAM     | 1       | 25        | 17.42           | 17.63            | 17.42           |                  |              |          |   |
| 5            | 256QAM     | 1       | 49        | 17.46           | 17.62            | 17.67           |                  |              | 19       | 5 |
| 5            | 256QAM     | 25      | 0         | 17.45           | 17.61            | 17.55           |                  |              |          |   |
| 5            | 256QAM     | 25      | 12        | 17.52           | 17.59            | 17.55           |                  |              |          |   |
| 5            | 256QAM     | 25      | 25        | 17.58           | 17.67            | 17.61           |                  |              |          |   |
| 5            | 256QAM     | 50      | 0         | 17.52           | 17.58            | 17.50           |                  |              |          |   |
| Channel      |            |         |           |                 |                  |                 |                  |              |          |   |
|              |            |         |           | 1860.7          | 1860             | 1860.3          |                  | Turn-up [dB] | MRR [dB] |   |
| 3            | QPSK       | 1       | 0         | 22.52           | 22.58            | 22.48           |                  |              |          |   |
| 3            | QPSK       | 1       | 8         | 22.36           | 22.75            | 22.65           |                  |              | 24       | 0 |
| 3            | QPSK       | 1       | 14        | 22.59           | 22.62            | 22.52           |                  |              |          |   |
| 3            | QPSK       | 8       | 4         | 21.59           | 21.64            | 21.37           |                  |              |          |   |
| 3            | QPSK       | 8       | 7         | 21.68           | 21.46            | 21.42           |                  |              | 23       | 1 |
| 3            | QPSK       | 15      | 0         | 21.58           | 21.68            | 21.55           |                  |              |          |   |
| 3            | 16QAM      | 1       | 0         | 21.61           | 21.67            | 21.56           |                  |              |          |   |
| 3            | 16QAM      | 1       | 8         | 21.61           | 21.56            | 21.59           |                  |              | 23       | 1 |
| 3            | 16QAM      | 1       | 14        | 21.52           | 21.44            | 21.63           |                  |              |          |   |
| 3            | 16QAM      | 8       | 4         | 20.69           | 20.47            | 20.71           |                  |              | 22       | 2 |
| 3            | 16QAM      | 8       | 7         | 20.48           | 20.31            | 20.44           |                  |              |          |   |
| 3            | 16QAM      | 16      | 0         | 20.45           | 20.37            | 20.65           |                  |              |          |   |
| 3            | 16QAM      | 1       | 0         | 20.42           | 20.58            | 20.45           |                  |              | 22       | 2 |
| 3            | 64QAM      | 1       | 0         | 20.37           | 20.53            | 20.73           |                  |              |          |   |
| 3            | 64QAM      | 1       | 14        | 20.30           | 20.26            | 20.29           |                  |              | 21       | 3 |
| 3            | 64QAM      | 8       | 0         | 19.65           | 19.58            | 19.71           |                  |              |          |   |
| 3            | 64QAM      | 8       | 7         | 19.65           | 19.68            | 19.71           |                  |              |          |   |
| 3            | 64QAM      | 8       | 7         | 19.47           | 19.45            | 19.51           |                  |              | 19       | 5 |
| 3            | 256QAM     | 1       | 0         | 17.37           | 17.63            | 17.41           |                  |              |          |   |
| 3            | 256QAM     | 1       | 14        | 17.48           | 17.67            | 17.48           |                  |              |          |   |
| 3            | 256QAM     | 1       | 14        | 17.33           | 17.73            | 17.75           |                  |              | 19       | 5 |
| 3            | 256QAM     | 8       | 0         | 17.68           | 17.51            | 17.51           |                  |              |          |   |
| 3            | 256QAM     | 8       | 7         | 17.68           | 17.49            | 17.58           |                  |              |          |   |
| 3            | 256QAM     | 8       | 7         | 17.40           | 17.39            | 17.41           |                  |              | 19       | 5 |
| 3            | 256QAM     | 15      | 0         | 17.60           | 17.51            | 17.41           |                  |              |          |   |
| Channel      |            |         |           |                 |                  |                 |                  |              |          |   |
|              |            |         |           | 1860.7          | 1860             | 1860.3          |                  | Turn-up [dB] | MRR [dB] |   |
| 1.4          | QPSK       | 1       | 0         | 22.80           | 22.51            | 22.55           |                  |              |          |   |
| 1.4          | QPSK       | 1       | 3         | 22.86           | 22.51            | 22.55           |                  |              |          |   |
| 1.4          | QPSK       | 1       | 6         | 22.86           | 22.51            | 22.55           |                  |              | 24       | 0 |
| 1.4          | QPSK       | 3       | 0         | 22.39           | 22.64            | 22.49           |                  |              |          |   |
| 1.4          | QPSK       | 3       | 3         | 22.39           | 22.64            | 22.49           |                  |              |          |   |
| 1.4          | QPSK       | 3       | 3         | 22.27           | 22.75            | 22.54           |                  |              |          |   |
| 1.4          | QPSK       | 6       | 0         | 21.67           | 21.68            | 21.66           |                  |              | 23       | 1 |
| 1.4          | 16QAM      | 1       | 0         | 21.48           | 21.49            | 21.50           |                  |              |          |   |
| 1.4          | 16QAM      | 1       | 3         | 21.61           | 21.59            | 21.59           |                  |              |          |   |
| 1.4          | 16QAM      | 1       | 6         | 21.62           | 21.47            | 21.54           |                  |              | 23       | 1 |
| 1.4          | 16QAM      | 3       | 0         | 21.48           | 21.43            | 21.43           |                  |              |          |   |
| 1.4          | 16QAM      | 3       | 1         | 21.67           | 21.60            | 21.63           |                  |              |          |   |
| 1.4          | 16QAM      | 3       | 3         | 21.61           | 21.76            | 21.25           |                  |              |          |   |
| 1.4          | 16QAM      | 6       | 0         | 20.56           | 20.42            | 20.53           |                  |              | 22       | 2 |
| 1.4          | 16QAM      | 6       | 3         | 20.55           | 20.34            | 20.77           |                  |              |          |   |
| 1.4          | 16QAM      | 6       | 3         | 20.37           | 20.41            | 20.41           |                  |              | 22       | 2 |
| 1.4          | 64QAM      | 3       | 0         | 20.51           | 20.54            | 20.71           |                  |              |          |   |
| 1.4          | 64QAM      | 6       | 0         | 19.51           | 19.52            | 19.58           |                  |              | 21       | 3 |
| 1.4          | 256QAM     | 1       | 0         | 17.62           | 17.60            | 17.57           |                  |              |          |   |
| 1.4          | 256QAM     | 1       | 3         | 17.47           | 17.27            | 17.47           |                  |              |          |   |
| 1.4          | 256QAM     | 1       | 6         | 17.67           | 17.58            | 17.68           |                  |              |          |   |
| 1.4          | 256QAM     | 3       | 0         | 17.71           | 17.62            | 17.69           |                  |              |          |   |
| 1.4          | 256QAM     | 3       | 3         | 17.31           | 17.27            | 17.49           |                  |              |          |   |

| Band 38 Ant 1   |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit          |             |  |
| Channel         |            |         |           | 37650                    | 38000                       | 38150                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2580                     | 2595                        | 2610                      |                        |             |  |
| 20              | QPSK       | 1       | 0         | 22.80                    | 23.08                       | 23.01                     | 24                     | 0           |  |
| 20              | QPSK       | 1       | 49        | 22.75                    | 22.92                       | 22.81                     |                        |             |  |
| 20              | QPSK       | 1       | 99        | 22.84                    | 22.71                       | 22.66                     |                        |             |  |
| 20              | QPSK       | 50      | 0         | 21.79                    | 22.07                       | 21.98                     | 23                     | 1           |  |
| 20              | QPSK       | 50      | 24        | 21.89                    | 21.95                       | 21.68                     |                        |             |  |
| 20              | QPSK       | 50      | 50        | 21.70                    | 21.67                       | 22.00                     |                        |             |  |
| 20              | QPSK       | 100     | 0         | 21.99                    | 22.12                       | 21.83                     | 23                     | 1           |  |
| 20              | 16QAM      | 1       | 0         | 21.75                    | 21.60                       | 21.91                     |                        |             |  |
| 20              | 16QAM      | 1       | 49        | 21.61                    | 21.98                       | 21.83                     |                        |             |  |
| 20              | 16QAM      | 1       | 99        | 21.89                    | 21.86                       | 21.59                     | 22                     | 2           |  |
| 20              | 16QAM      | 50      | 0         | 20.75                    | 20.71                       | 20.83                     |                        |             |  |
| 20              | 16QAM      | 50      | 24        | 20.85                    | 20.48                       | 20.79                     |                        |             |  |
| 20              | 16QAM      | 50      | 50        | 20.86                    | 20.50                       | 20.62                     | 22                     | 2           |  |
| 20              | 16QAM      | 100     | 0         | 20.45                    | 20.74                       | 20.50                     |                        |             |  |
| 20              | 64QAM      | 1       | 0         | 20.54                    | 20.55                       | 20.71                     |                        |             |  |
| 20              | 64QAM      | 1       | 49        | 20.52                    | 20.67                       | 20.65                     | 22                     | 2           |  |
| 20              | 64QAM      | 1       | 99        | 20.66                    | 20.58                       | 20.93                     |                        |             |  |
| 20              | 64QAM      | 50      | 0         | 19.66                    | 19.65                       | 19.84                     |                        |             |  |
| 20              | 64QAM      | 50      | 24        | 19.74                    | 19.81                       | 19.55                     | 21                     | 3           |  |
| 20              | 64QAM      | 50      | 50        | 19.71                    | 19.60                       | 19.97                     |                        |             |  |
| 20              | 64QAM      | 100     | 0         | 19.60                    | 19.76                       | 19.55                     |                        |             |  |
| 20              | 256QAM     | 1       | 0         | 17.81                    | 17.77                       | 17.65                     | 19                     | 5           |  |
| 20              | 256QAM     | 1       | 49        | 17.72                    | 17.71                       | 17.80                     |                        |             |  |
| 20              | 256QAM     | 1       | 99        | 17.58                    | 17.62                       | 17.61                     |                        |             |  |
| 20              | 256QAM     | 50      | 0         | 17.70                    | 17.63                       | 17.58                     | 19                     | 5           |  |
| 20              | 256QAM     | 50      | 24        | 17.92                    | 17.74                       | 17.76                     |                        |             |  |
| 20              | 256QAM     | 50      | 50        | 17.62                    | 17.68                       | 17.68                     |                        |             |  |
| 20              | 256QAM     | 100     | 0         | 17.71                    | 17.76                       | 17.93                     |                        |             |  |
| Channel         |            |         |           | 37625                    | 38000                       | 38175                     | Tune-up limit          | MPR         |  |
| Frequency (MHz) |            |         |           | 2577.5                   | 2595                        | 2612.5                    | (dBm)                  | (dB)        |  |
| 15              | QPSK       | 1       | 0         | 22.97                    | 23.05                       | 23.00                     | 24                     | 0           |  |
| 15              | QPSK       | 1       | 37        | 22.79                    | 22.76                       | 22.86                     |                        |             |  |
| 15              | QPSK       | 1       | 74        | 22.65                    | 22.74                       | 22.74                     |                        |             |  |
| 15              | QPSK       | 36      | 0         | 21.87                    | 21.96                       | 21.94                     | 23                     | 1           |  |
| 15              | QPSK       | 36      | 20        | 21.95                    | 21.92                       | 21.85                     |                        |             |  |
| 15              | QPSK       | 36      | 39        | 21.77                    | 21.77                       | 21.96                     |                        |             |  |
| 15              | QPSK       | 75      | 0         | 21.82                    | 22.07                       | 21.89                     | 23                     | 1           |  |
| 15              | 16QAM      | 1       | 0         | 21.77                    | 21.99                       | 22.03                     |                        |             |  |
| 15              | 16QAM      | 1       | 37        | 21.62                    | 21.93                       | 22.00                     |                        |             |  |
| 15              | 16QAM      | 1       | 74        | 21.83                    | 21.83                       | 21.81                     | 23                     | 1           |  |
| 15              | 16QAM      | 36      | 0         | 20.59                    | 20.82                       | 20.74                     |                        |             |  |
| 15              | 16QAM      | 36      | 20        | 20.87                    | 20.35                       | 20.74                     |                        |             |  |
| 15              | 16QAM      | 36      | 39        | 20.80                    | 20.71                       | 20.75                     | 22                     | 2           |  |
| 15              | 16QAM      | 75      | 0         | 20.58                    | 20.87                       | 20.65                     |                        |             |  |
| 15              | 64QAM      | 1       | 0         | 20.45                    | 20.77                       | 20.49                     |                        |             |  |
| 15              | 64QAM      | 1       | 37        | 20.50                    | 20.78                       | 20.70                     | 22                     | 2           |  |
| 15              | 64QAM      | 1       | 74        | 20.65                    | 20.72                       | 20.90                     |                        |             |  |
| 15              | 64QAM      | 36      | 0         | 19.72                    | 19.74                       | 19.71                     |                        |             |  |
| 15              | 64QAM      | 36      | 20        | 19.89                    | 19.71                       | 19.64                     | 21                     | 3           |  |
| 15              | 64QAM      | 36      | 39        | 19.61                    | 19.53                       | 19.85                     |                        |             |  |
| 15              | 64QAM      | 75      | 0         | 19.74                    | 19.70                       | 19.70                     |                        |             |  |
| 15              | 256QAM     | 1       | 0         | 17.88                    | 17.78                       | 17.67                     | 19                     | 5           |  |
| 15              | 256QAM     | 1       | 37        | 17.82                    | 17.81                       | 17.73                     |                        |             |  |
| 15              | 256QAM     | 1       | 74        | 17.58                    | 17.76                       | 17.64                     |                        |             |  |
| 15              | 256QAM     | 36      | 0         | 17.61                    | 17.88                       | 17.63                     | 19                     | 5           |  |
| 15              | 256QAM     | 36      | 20        | 17.83                    | 17.90                       | 17.77                     |                        |             |  |
| 15              | 256QAM     | 36      | 39        | 17.61                    | 17.76                       | 17.54                     |                        |             |  |
| 15              | 256QAM     | 75      | 0         | 17.76                    | 17.71                       | 17.78                     |                        |             |  |
| Channel         |            |         |           | 37900                    | 38000                       | 38200                     | Tune-up limit          | MPR         |  |
| Frequency (MHz) |            |         |           | 2575                     | 2595                        | 2615                      | (dBm)                  | (dB)        |  |
| 10              | QPSK       | 1       | 0         | 22.85                    | 23.02                       | 23.03                     | 24                     | 0           |  |
| 10              | QPSK       | 1       | 25        | 22.76                    | 22.72                       | 22.89                     |                        |             |  |
| 10              | QPSK       | 1       | 49        | 22.64                    | 22.77                       | 22.70                     |                        |             |  |
| 10              | QPSK       | 25      | 0         | 21.84                    | 22.07                       | 21.78                     | 23                     | 1           |  |
| 10              | QPSK       | 25      | 12        | 21.87                    | 21.90                       | 21.90                     |                        |             |  |
| 10              | QPSK       | 25      | 25        | 21.88                    | 21.63                       | 21.97                     |                        |             |  |
| 10              | QPSK       | 50      | 0         | 21.85                    | 22.11                       | 21.88                     | 23                     | 1           |  |
| 10              | 16QAM      | 1       | 0         | 21.80                    | 21.89                       | 21.92                     |                        |             |  |
| 10              | 16QAM      | 1       | 25        | 21.63                    | 21.98                       | 21.98                     |                        |             |  |
| 10              | 16QAM      | 1       | 49        | 21.96                    | 21.85                       | 21.71                     | 22                     | 2           |  |
| 10              | 16QAM      | 25      | 0         | 20.65                    | 20.68                       | 20.88                     |                        |             |  |
| 10              | 16QAM      | 25      | 12        | 20.71                    | 20.42                       | 20.70                     |                        |             |  |
| 10              | 16QAM      | 25      | 25        | 20.82                    | 20.47                       | 20.80                     | 22                     | 2           |  |
| 10              | 16QAM      | 50      | 0         | 20.66                    | 20.91                       | 20.57                     |                        |             |  |
| 10              | 64QAM      | 1       | 0         | 20.56                    | 20.59                       | 20.72                     |                        |             |  |
| 10              | 64QAM      | 1       | 25        | 20.58                    | 20.73                       | 20.68                     | 22                     | 2           |  |
| 10              | 64QAM      | 1       | 49        | 20.57                    | 20.59                       | 20.72                     |                        |             |  |
| 10              | 64QAM      | 25      | 0         | 19.82                    | 19.72                       | 19.77                     |                        |             |  |
| 10              | 64QAM      | 25      | 12        | 19.84                    | 19.63                       | 19.61                     | 21                     | 3           |  |
| 10              | 64QAM      | 25      | 25        | 19.69                    | 19.69                       | 19.95                     |                        |             |  |
| 10              | 64QAM      | 50      | 0         | 19.64                    | 19.61                       | 19.70                     |                        |             |  |
| 10              | 256QAM     | 1       | 0         | 17.82                    | 17.77                       | 17.62                     | 19                     | 5           |  |
| 10              | 256QAM     | 1       | 25        | 17.73                    | 17.89                       | 17.70                     |                        |             |  |
| 10              | 256QAM     | 1       | 49        | 17.51                    | 17.72                       | 17.71                     |                        |             |  |
| 10              | 256QAM     | 25      | 0         | 17.71                    | 17.94                       | 17.61                     | 19                     | 5           |  |
| 10              | 256QAM     | 25      | 12        | 17.99                    | 17.76                       | 17.73                     |                        |             |  |
| 10              | 256QAM     | 25      | 25        | 17.77                    | 17.75                       | 17.59                     |                        |             |  |
| 10              | 256QAM     | 50      | 0         | 17.65                    | 17.79                       | 17.89                     |                        |             |  |
| Channel         |            |         |           | 37775                    | 38000                       | 38225                     | Tune-up limit          | MPR         |  |
| Frequency (MHz) |            |         |           | 2572.5                   | 2595                        | 2617.5                    | (dBm)                  | (dB)        |  |
| 5               | QPSK       | 1       | 0         | 22.78                    | 22.95                       | 22.96                     | 24                     | 0           |  |
| 5               | QPSK       | 1       | 12        | 22.90                    | 22.89                       | 22.82                     |                        |             |  |
| 5               | QPSK       | 1       | 24        | 22.68                    | 22.79                       | 22.84                     |                        |             |  |
| 5               | QPSK       | 12      | 0         | 21.83                    | 21.96                       | 21.83                     | 23                     | 1           |  |
| 5               | QPSK       | 12      | 7         | 21.90                    | 21.94                       | 21.93                     |                        |             |  |
| 5               | QPSK       | 12      | 13        | 21.89                    | 21.96                       | 21.97                     |                        |             |  |
| 5               | QPSK       | 25      | 0         | 21.77                    | 21.96                       | 21.83                     | 23                     | 1           |  |
| 5               | 16QAM      | 1       | 0         | 21.86                    | 21.98                       | 21.91                     |                        |             |  |
| 5               | 16QAM      | 1       | 12        | 21.80                    | 21.78                       | 22.04                     |                        |             |  |
| 5               | 16QAM      | 1       | 24        | 22.00                    | 21.80                       | 21.60                     | 23                     | 1           |  |
| 5               | 16QAM      | 12      | 0         | 20.72                    | 20.77                       | 20.72                     |                        |             |  |
| 5               | 16QAM      | 12      | 7         | 20.86                    | 20.58                       | 20.74                     |                        |             |  |
| 5               | 16QAM      | 12      | 13        | 20.81                    | 20.66                       | 20.73                     | 22                     | 2           |  |
| 5               | 16QAM      | 25      | 0         | 20.47                    | 20.75                       | 20.40                     |                        |             |  |
| 5               | 64QAM      | 1       | 0         | 20.64                    | 20.96                       | 20.52                     |                        |             |  |
| 5               | 64QAM      | 1       | 12        | 20.49                    | 20.62                       | 20.70                     | 22                     | 2           |  |
| 5               | 64QAM      | 1       | 24        | 20.59                    | 20.66                       | 20.91                     |                        |             |  |
| 5               | 64QAM      | 12      | 0         | 19.71                    | 19.74                       | 19.89                     |                        |             |  |
| 5               | 64QAM      | 12      | 7         | 19.92                    | 19.81                       | 19.75                     | 21                     | 3           |  |
| 5               | 64QAM      | 12      | 13        | 19.76                    | 19.55                       | 19.94                     |                        |             |  |
| 5               | 64QAM      | 25      | 0         | 19.59                    | 19.72                       | 19.66                     |                        |             |  |
| 5               | 256QAM     | 1       | 0         | 17.73                    | 17.84                       | 17.46                     | 19                     | 5           |  |
| 5               | 256QAM     | 1       | 12        | 17.73                    | 17.75                       | 17.85                     |                        |             |  |
| 5               | 256QAM     | 1       | 24        | 17.66                    | 17.71                       | 17.77                     |                        |             |  |
| 5               | 256QAM     | 12      | 0         | 17.65                    | 17.90                       | 17.65                     | 19                     | 5           |  |
| 5               | 256QAM     | 12      | 7         | 18.00                    | 17.94                       | 17.86                     |                        |             |  |
| 5               | 256QAM     | 12      | 13        | 17.66                    | 17.77                       | 17.63                     |                        |             |  |
| 5               | 256QAM     | 25      | 0         | 17.78                    | 17.75                       | 17.80                     |                        |             |  |

| Band 41 Ant 1                                           |            |         |           |                         |                             |                          |                               |                        |             |
|---------------------------------------------------------|------------|---------|-----------|-------------------------|-----------------------------|--------------------------|-------------------------------|------------------------|-------------|
| BW [MHz]                                                | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq | Power Low<br>Mid Ch. / Freq | Power High<br>Ch. / Freq | Power High<br>High Ch. / Freq | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel                                                 |            |         |           |                         |                             |                          |                               |                        |             |
| Frequency (MHz)                                         |            |         |           |                         |                             |                          |                               |                        |             |
| 20                                                      | QPSK       | 1       | 0         | 23.06                   | 23.00                       | 23.11                    | 22.92                         | 23.08                  |             |
| 20                                                      | QPSK       | 1       | 49        | 22.55                   | 22.95                       | 22.73                    | 22.95                         | 22.82                  | 24          |
| 20                                                      | QPSK       | 1       | 99        | 22.70                   | 22.55                       | 22.75                    | 22.71                         | 22.69                  |             |
| 20                                                      | QPSK       | 50      | 0         | 21.60                   | 21.94                       | 22.00                    | 21.69                         | 21.91                  |             |
| 20                                                      | QPSK       | 50      | 0         | 21.86                   | 21.77                       | 21.81                    | 21.83                         | 21.79                  | 23          |
| 20                                                      | QPSK       | 50      | 50        | 21.44                   | 21.57                       | 21.80                    | 21.85                         | 21.92                  | 1           |
| 20                                                      | QPSK       | 100     | 0         | 21.60                   | 21.61                       | 21.79                    | 21.68                         | 21.68                  |             |
| 20                                                      | 16QAM      | 1       | 0         | 21.49                   | 21.65                       | 21.69                    | 21.61                         | 21.46                  |             |
| 20                                                      | 16QAM      | 1       | 49        | 21.55                   | 21.86                       | 21.48                    | 21.89                         | 21.59                  | 23          |
| 20                                                      | 16QAM      | 1       | 99        | 21.85                   | 21.76                       | 21.68                    | 21.61                         | 21.71                  | 1           |
| 20                                                      | 64QAM      | 50      | 0         | 20.53                   | 20.50                       | 20.85                    | 20.59                         | 20.67                  |             |
| 20                                                      | 16QAM      | 50      | 24        | 20.66                   | 20.75                       | 20.57                    | 20.51                         | 20.49                  | 22          |
| 20                                                      | 16QAM      | 50      | 50        | 20.73                   | 20.74                       | 20.71                    | 20.39                         | 20.77                  | 2           |
| 20                                                      | 16QAM      | 100     | 0         | 20.60                   | 20.56                       | 20.49                    | 20.62                         | 20.60                  |             |
| 20                                                      | 64QAM      | 1       | 0         | 20.38                   | 20.59                       | 20.59                    | 20.30                         | 20.57                  |             |
| 20                                                      | 64QAM      | 1       | 49        | 20.53                   | 20.51                       | 20.79                    | 20.51                         | 20.60                  | 22          |
| 20                                                      | 64QAM      | 1       | 99        | 20.63                   | 20.53                       | 20.84                    | 20.68                         | 20.71                  |             |
| 20                                                      | 64QAM      | 50      | 0         | 19.56                   | 19.94                       | 19.71                    | 19.71                         | 19.53                  |             |
| 20                                                      | 64QAM      | 50      | 24        | 19.60                   | 19.59                       | 19.84                    | 19.60                         | 19.64                  | 21          |
| 20                                                      | 64QAM      | 50      | 50        | 19.74                   | 19.29                       | 19.57                    | 19.49                         | 19.70                  | 3           |
| 20                                                      | 64QAM      | 100     | 0         | 19.81                   | 19.44                       | 19.37                    | 19.51                         | 19.61                  |             |
| 20                                                      | QPSK       | 1       | 0         | 17.60                   | 17.81                       | 17.72                    | 17.53                         | 17.53                  | 19          |
| 20                                                      | 256QAM     | 1       | 49        | 17.58                   | 17.46                       | 17.74                    | 17.59                         | 17.88                  | 5           |
| 20                                                      | 256QAM     | 1       | 99        | 17.53                   | 17.61                       | 17.46                    | 17.59                         | 17.66                  |             |
| 20                                                      | 256QAM     | 50      | 0         | 17.67                   | 17.96                       | 17.63                    | 17.84                         | 17.66                  |             |
| 20                                                      | 256QAM     | 50      | 24        | 17.56                   | 17.60                       | 17.62                    | 17.88                         | 17.48                  | 19          |
| 20                                                      | 256QAM     | 50      | 50        | 17.65                   | 17.63                       | 17.64                    | 17.73                         | 17.53                  | 5           |
| 20                                                      | 256QAM     | 100     | 0         | 17.62                   | 17.95                       | 17.71                    | 17.84                         | 18.06                  |             |
| Channel                                                 |            |         |           |                         |                             |                          |                               |                        |             |
| Frequency (MHz)                                         |            |         |           |                         |                             |                          |                               |                        |             |
| 2503.5 2504.3 2505.0 2505.8 2506.5 2507.2 2507.9 2508.6 |            |         |           |                         |                             |                          |                               |                        |             |
| 15                                                      | QPSK       | 1       | 0         | 22.92                   | 22.83                       | 22.91                    | 22.84                         | 22.86                  |             |
| 15                                                      | QPSK       | 1       | 37        | 22.51                   | 22.93                       | 22.60                    | 22.92                         | 22.61                  | 24          |
| 15                                                      | QPSK       | 1       | 74        | 22.69                   | 22.67                       | 22.65                    | 22.71                         | 22.67                  |             |
| 15                                                      | QPSK       | 36      | 0         | 21.40                   | 21.92                       | 21.89                    | 21.58                         | 21.87                  |             |
| 15                                                      | QPSK       | 36      | 20        | 21.84                   | 21.71                       | 21.77                    | 21.73                         | 21.72                  | 23          |
| 15                                                      | QPSK       | 36      | 39        | 21.39                   | 21.42                       | 21.69                    | 21.68                         | 21.87                  | 1           |
| 15                                                      | QPSK       | 75      | 0         | 21.42                   | 21.54                       | 21.79                    | 21.59                         | 21.69                  |             |
| 15                                                      | 16QAM      | 1       | 0         | 21.34                   | 21.66                       | 21.68                    | 21.51                         | 21.37                  | 23          |
| 15                                                      | 16QAM      | 1       | 37        | 21.34                   | 21.71                       | 21.39                    | 21.76                         | 21.41                  | 1           |
| 15                                                      | 16QAM      | 1       | 74        | 21.86                   | 21.54                       | 21.61                    | 21.51                         | 21.70                  |             |
| 15                                                      | 16QAM      | 36      | 0         | 20.47                   | 20.45                       | 20.67                    | 20.56                         | 20.57                  |             |
| 15                                                      | 16QAM      | 36      | 20        | 20.58                   | 20.64                       | 20.57                    | 20.31                         | 20.49                  | 22          |
| 15                                                      | 16QAM      | 36      | 39        | 20.63                   | 20.54                       | 20.71                    | 20.28                         | 20.58                  | 2           |
| 15                                                      | 16QAM      | 75      | 0         | 20.38                   | 20.38                       | 20.39                    | 20.28                         | 20.37                  |             |
| 15                                                      | 64QAM      | 1       | 0         | 20.38                   | 20.58                       | 20.39                    | 20.29                         | 20.43                  |             |
| 15                                                      | 64QAM      | 1       | 37        | 20.32                   | 20.39                       | 20.69                    | 20.46                         | 20.42                  | 22          |
| 15                                                      | 64QAM      | 1       | 74        | 20.44                   | 20.31                       | 20.81                    | 20.62                         | 20.71                  | 2           |
| 15                                                      | 64QAM      | 36      | 0         | 19.50                   | 19.86                       | 19.55                    | 19.72                         | 19.47                  |             |
| 15                                                      | 64QAM      | 36      | 20        | 19.61                   | 19.61                       | 19.65                    | 19.57                         | 19.58                  | 21          |
| 15                                                      | 64QAM      | 36      | 39        | 19.62                   | 19.13                       | 19.39                    | 19.36                         | 19.32                  | 3           |
| 15                                                      | 64QAM      | 75      | 0         | 19.78                   | 19.27                       | 19.27                    | 19.40                         | 19.53                  |             |
| 15                                                      | 256QAM     | 1       | 0         | 17.43                   | 17.73                       | 17.67                    | 17.38                         | 17.34                  |             |
| 15                                                      | 256QAM     | 1       | 37        | 17.46                   | 17.32                       | 17.64                    | 17.41                         | 17.48                  | 19          |
| 15                                                      | 256QAM     | 1       | 74        | 17.35                   | 17.47                       | 17.25                    | 17.45                         | 17.65                  | 5           |
| 15                                                      | 256QAM     | 36      | 0         | 17.51                   | 17.60                       | 17.45                    | 17.71                         | 17.58                  |             |
| 15                                                      | 256QAM     | 36      | 20        | 17.51                   | 17.42                       | 17.60                    | 17.75                         | 17.37                  | 23          |
| 15                                                      | 256QAM     | 36      | 39        | 17.63                   | 17.57                       | 17.48                    | 17.72                         | 17.37                  | 5           |
| 15                                                      | 256QAM     | 75      | 0         | 17.62                   | 17.82                       | 17.67                    | 17.48                         | 18.05                  |             |
| Channel                                                 |            |         |           |                         |                             |                          |                               |                        |             |
| Frequency (MHz)                                         |            |         |           |                         |                             |                          |                               |                        |             |
| 2501.0 2547.0 2593.0 2639.0 2685.0                      |            |         |           |                         |                             |                          |                               |                        |             |
| 10                                                      | QPSK       | 1       | 0         | 22.67                   | 22.84                       | 22.94                    | 22.90                         | 23.00                  |             |
| 10                                                      | QPSK       | 1       | 25        | 22.49                   | 22.95                       | 22.56                    | 22.83                         | 22.77                  | 24          |
| 10                                                      | QPSK       | 1       | 49        | 22.70                   | 22.48                       | 22.68                    | 22.60                         | 22.56                  |             |
| 10                                                      | QPSK       | 25      | 0         | 21.50                   | 21.86                       | 21.93                    | 21.63                         | 21.72                  |             |
| 10                                                      | QPSK       | 25      | 12        | 21.77                   | 21.76                       | 21.63                    | 21.77                         | 21.75                  | 23          |
| 10                                                      | QPSK       | 25      | 25        | 21.32                   | 21.95                       | 21.79                    | 21.78                         | 21.74                  | 1           |
| 10                                                      | QPSK       | 36      | 0         | 21.46                   | 21.62                       | 21.66                    | 21.62                         | 21.61                  |             |
| 10                                                      | 16QAM      | 1       | 0         | 21.30                   | 21.45                       | 21.62                    | 21.54                         | 21.35                  |             |
| 10                                                      | 16QAM      | 1       | 25        | 21.52                   | 21.83                       | 21.39                    | 21.89                         | 21.38                  | 23          |
| 10                                                      | 16QAM      | 1       | 49        | 21.72                   | 21.74                       | 21.62                    | 21.60                         | 21.70                  |             |
| 10                                                      | 16QAM      | 25      | 0         | 20.53                   | 20.40                       | 20.84                    | 20.58                         | 20.60                  |             |
| 10                                                      | 16QAM      | 25      | 12        | 20.53                   | 20.69                       | 20.69                    | 20.47                         | 20.37                  | 22          |
| 10                                                      | 16QAM      | 25      | 25        | 20.72                   | 20.67                       | 20.59                    | 20.31                         | 20.61                  | 2           |
| 10                                                      | 16QAM      | 50      | 0         | 20.47                   | 20.45                       | 20.43                    | 20.44                         | 20.40                  |             |
| 10                                                      | 64QAM      | 1       | 0         | 20.35                   | 20.38                       | 20.48                    | 20.09                         | 20.43                  |             |
| 10                                                      | 64QAM      | 1       | 25        | 20.41                   | 20.41                       | 20.59                    | 20.34                         | 20.45                  | 22          |
| 10                                                      | 64QAM      | 1       | 49        | 20.42                   | 20.33                       | 20.81                    | 20.61                         | 20.58                  |             |
| 10                                                      | 64QAM      | 25      | 0         | 19.41                   | 19.83                       | 19.73                    | 19.64                         | 19.62                  | 21          |
| 10                                                      | 64QAM      | 25      | 12        | 19.52                   | 19.55                       | 19.74                    | 19.48                         | 19.58                  | 3           |
| 10                                                      | 64QAM      | 25      | 25        | 19.75                   | 19.13                       | 19.57                    | 19.41                         | 19.61                  |             |
| 10                                                      | 64QAM      | 50      | 0         | 19.75                   | 19.27                       | 19.16                    | 19.33                         | 19.58                  |             |
| 10                                                      | 256QAM     | 1       | 0         | 17.48                   | 17.69                       | 17.55                    | 17.35                         | 17.32                  |             |
| 10                                                      | 256QAM     | 1       | 25        | 17.37                   | 17.39                       | 17.71                    | 17.49                         | 17.88                  | 19          |
| 10                                                      | 256QAM     | 1       | 31        | 17.31                   | 17.54                       | 17.47                    | 17.52                         | 17.57                  | 5           |
| 10                                                      | 256QAM     | 25      | 0         | 17.53                   | 17.94                       | 17.61                    | 17.86                         | 17.51                  |             |
| 10                                                      | 256QAM     | 25      | 12        | 17.46                   | 17.44                       | 17.59                    | 17.87                         | 17.29                  | 19          |
| 10                                                      | 256QAM     | 25      | 25        | 17.59                   | 17.44                       | 17.53                    | 17.63                         | 17.38                  | 5           |
| 10                                                      | 256QAM     | 50      | 0         | 17.54                   | 17.75                       | 17.50                    | 17.65                         | 17.56                  |             |
| Channel                                                 |            |         |           |                         |                             |                          |                               |                        |             |
| Frequency (MHz)                                         |            |         |           |                         |                             |                          |                               |                        |             |
| 2501.5 2545.8 2590.3 2634.30 2678.5                     |            |         |           |                         |                             |                          |                               |                        |             |
| 5                                                       | QPSK       | 1       | 0         | 22.89                   | 22.82                       | 23.03                    | 22.83                         | 22.89                  |             |
| 5                                                       | QPSK       | 1       | 12        | 22.54                   | 22.74                       | 22.69                    | 22.84                         | 22.76                  | 24          |
| 5                                                       | QPSK       | 1       | 24        | 22.60                   | 22.42                       | 22.61                    | 22.61                         | 22.59                  |             |
| 5                                                       | QPSK       | 12      | 0         | 21.54                   | 21.85                       | 21.68                    | 21.59                         | 21.71                  |             |
| 5                                                       | QPSK       | 12      | 12        | 21.71                   | 21.61                       | 21.52                    | 21.78                         | 21.80                  | 23          |
| 5                                                       | QPSK       | 12      | 13        | 21.27                   | 21.39                       | 21.65                    | 21.67                         | 21.77                  | 1           |
| 5                                                       | QPSK       | 25      | 0         | 21.54                   | 21.48                       | 21.62                    | 21.66                         | 21.59                  |             |
| 5                                                       | 16QAM      | 1       | 0         | 21.35                   | 21.67                       | 21.55                    | 21.55                         | 21.46                  |             |
| 5                                                       | 16QAM      | 1       | 12        | 21.41                   | 21.72                       | 21.47                    | 21.90                         | 21.52                  | 23          |
| 5                                                       | 16QAM      | 1       | 24        | 21.71                   | 21.74                       | 21.69                    | 21.59                         | 21.58                  | 1           |
| 5                                                       | 16QAM      | 12      | 0         | 20.53                   | 20.38                       | 20.70                    | 20.59                         | 20.84                  |             |
| 5                                                       | 16QAM      | 12      | 7         | 20.45                   | 20.63                       | 20.49                    | 20.36                         | 20.35                  | 22          |
| 5                                                       | 16QAM      | 12      | 13        | 20.62                   | 20.69                       | 20.68                    | 20.27                         | 20.65                  | 2           |
| 5                                                       | 16QAM      | 25      | 0         | 20.53                   | 20.53                       | 20.31                    | 20.45                         | 20.58                  |             |
| 5                                                       | 64QAM      | 1       | 0         | 20.25                   | 20.39                       | 20.39                    | 20.09                         | 20.42                  | 22          |
| 5                                                       | 64QAM      | 1       | 12        | 20.35                   | 20.48                       | 20.76                    | 20.44                         | 20.41                  | 2           |
| 5                                                       | 64QAM      | 1       | 24        | 20.64                   | 20.43                       | 20.83                    | 20.70                         | 20.69                  |             |
| 5                                                       | 64QAM      | 12      | 0         | 19.49                   | 19.87                       | 19.64                    | 19.71                         | 19.32                  |             |
| 5                                                       | 64QAM      | 12      | 7         | 19.53                   | 19.56                       | 19.73                    | 19.54                         | 19.48                  |             |
| 5                                                       | 64QAM      | 12      | 13        | 19.53                   | 19.27                       | 19.37                    | 19.39                         | 19.68                  | 21          |
| 5                                                       | 64QAM      | 25      | 0         | 19.75                   | 19.25                       | 19.27                    | 19.49                         | 19.46                  | 3           |
| 5                                                       | 256QAM     | 1       | 0         | 17.48                   | 17.69                       | 17.68                    | 17.32                         | 17.50                  |             |
| 5                                                       | 256QAM     | 1       | 12        | 17.52                   | 17.42                       | 17.72                    | 17.49                         | 17.80                  | 19          |
| 5                                                       | 256QAM     | 1       | 24        | 17.48                   | 17.39                       | 17.25                    | 17.52                         | 17.47                  |             |
| 5                                                       | 256QAM     | 12      | 0         | 17.69                   | 17.79                       | 17.42                    | 17.64                         | 17.52                  |             |
| 5                                                       | 256QAM     | 12      | 7         | 17.59                   | 17.43                       | 17.45                    | 17.68                         | 17.42                  | 19          |
| 5                                                       | 256QAM     | 12      | 13        | 17.63                   | 17.63                       | 17.63                    | 17.64                         | 17.42                  | 5           |
| 5                                                       | 256QAM     | 25      | 0         | 17.49                   | 17.74                       | 17.55                    | 17.49                         | 17.81                  |             |

| Band 5 Ant 4    |            |         |           |                      |                       |                       |                     |          |  |          |  |
|-----------------|------------|---------|-----------|----------------------|-----------------------|-----------------------|---------------------|----------|--|----------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch./ Freq. | Power High Ch./ Freq. | Power High Ch./ Freq. | Tune-up limit (dBm) | MPR (dB) |  |          |  |
| Channel         |            |         |           | 20450                | 20525                 | 20600                 |                     |          |  |          |  |
| Frequency (MHz) |            |         |           | 829                  | 836.5                 | 844                   |                     |          |  |          |  |
| 10              | QPSK       | 1       | 0         | 22.15                | 22.28                 | 22.19                 | 23.4                | 0        |  |          |  |
| 10              | QPSK       | 1       | 25        | 22.14                | 22.20                 | 22.18                 |                     |          |  |          |  |
| 10              | QPSK       | 1       | 49        | 22.20                | 22.16                 | 22.13                 |                     |          |  |          |  |
| 10              | QPSK       | 25      | 0         | 22.11                | 22.19                 | 22.12                 | 23                  | 0.4      |  |          |  |
| 10              | QPSK       | 25      | 12        | 22.20                | 21.98                 | 21.79                 |                     |          |  |          |  |
| 10              | QPSK       | 25      | 25        | 22.05                | 22.07                 | 22.05                 |                     |          |  |          |  |
| 10              | QPSK       | 50      | 0         | 22.10                | 22.14                 | 22.10                 | 23                  | 0.4      |  |          |  |
| 10              | 16QAM      | 1       | 0         | 22.00                | 21.95                 | 21.92                 |                     |          |  |          |  |
| 10              | 16QAM      | 1       | 25        | 22.05                | 21.97                 | 21.95                 |                     |          |  |          |  |
| 10              | 16QAM      | 1       | 49        | 22.22                | 22.05                 | 22.14                 | 22                  | 1.4      |  |          |  |
| 10              | 16QAM      | 25      | 0         | 20.85                | 20.89                 | 20.72                 |                     |          |  |          |  |
| 10              | 16QAM      | 25      | 12        | 20.94                | 21.17                 | 20.91                 |                     |          |  |          |  |
| 10              | 16QAM      | 25      | 25        | 20.76                | 20.95                 | 20.76                 | 22                  | 1.4      |  |          |  |
| 10              | 16QAM      | 50      | 0         | 20.86                | 21.07                 | 20.85                 |                     |          |  |          |  |
| 10              | 64QAM      | 1       | 0         | 21.14                | 21.06                 | 20.83                 |                     |          |  |          |  |
| 10              | 64QAM      | 1       | 25        | 21.01                | 21.18                 | 20.98                 | 22                  | 1.4      |  |          |  |
| 10              | 64QAM      | 1       | 49        | 21.03                | 20.90                 | 20.98                 |                     |          |  |          |  |
| 10              | 64QAM      | 25      | 0         | 20.09                | 20.02                 | 19.92                 |                     |          |  |          |  |
| 10              | 64QAM      | 25      | 12        | 20.05                | 20.11                 | 19.75                 | 21                  | 2.4      |  |          |  |
| 10              | 64QAM      | 25      | 25        | 20.16                | 20.11                 | 19.93                 |                     |          |  |          |  |
| 10              | 64QAM      | 50      | 0         | 20.24                | 20.05                 | 20.15                 |                     |          |  |          |  |
| 10              | 256QAM     | 1       | 0         | 18.08                | 18.02                 | 18.16                 | 19                  | 4.4      |  |          |  |
| 10              | 256QAM     | 1       | 25        | 18.10                | 18.26                 | 18.07                 |                     |          |  |          |  |
| 10              | 256QAM     | 1       | 49        | 17.91                | 17.95                 | 18.03                 |                     |          |  |          |  |
| 10              | 256QAM     | 25      | 0         | 17.84                | 18.21                 | 18.02                 | 19                  | 4.4      |  |          |  |
| 10              | 256QAM     | 25      | 12        | 18.08                | 17.85                 | 17.84                 |                     |          |  |          |  |
| 10              | 256QAM     | 25      | 25        | 17.89                | 18.10                 | 18.04                 |                     |          |  |          |  |
| 10              | 256QAM     | 50      | 0         | 18.12                | 18.12                 | 17.95                 |                     |          |  |          |  |
| Channel         |            |         |           | 20425                | 20525                 | 20625                 | Tune-up limit (dBm) |          |  | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 826.5                | 836.5                 | 846.5                 |                     |          |  |          |  |
| 5               | QPSK       | 1       | 0         | 22.05                | 22.15                 | 22.03                 | 23.4                | 0        |  |          |  |
| 5               | QPSK       | 1       | 12        | 22.05                | 22.12                 | 22.05                 |                     |          |  |          |  |
| 5               | QPSK       | 1       | 24        | 22.14                | 22.12                 | 22.14                 |                     |          |  |          |  |
| 5               | QPSK       | 12      | 0         | 22.10                | 22.10                 | 21.96                 | 23                  | 0.4      |  |          |  |
| 5               | QPSK       | 12      | 7         | 21.95                | 21.95                 | 21.83                 |                     |          |  |          |  |
| 5               | QPSK       | 12      | 13        | 21.88                | 21.89                 | 21.84                 |                     |          |  |          |  |
| 5               | QPSK       | 25      | 0         | 21.98                | 22.10                 | 21.95                 | 23                  | 0.4      |  |          |  |
| 5               | 16QAM      | 1       | 0         | 22.01                | 21.92                 | 21.73                 |                     |          |  |          |  |
| 5               | 16QAM      | 1       | 12        | 21.91                | 21.92                 | 21.92                 |                     |          |  |          |  |
| 5               | 16QAM      | 1       | 24        | 22.10                | 21.84                 | 22.10                 | 22                  | 1.4      |  |          |  |
| 5               | 16QAM      | 12      | 0         | 20.66                | 20.80                 | 20.64                 |                     |          |  |          |  |
| 5               | 16QAM      | 12      | 7         | 20.89                | 20.99                 | 20.90                 |                     |          |  |          |  |
| 5               | 16QAM      | 12      | 13        | 20.60                | 20.83                 | 20.71                 | 22                  | 1.4      |  |          |  |
| 5               | 16QAM      | 25      | 0         | 20.87                | 21.09                 | 20.87                 |                     |          |  |          |  |
| 5               | 64QAM      | 1       | 0         | 21.02                | 20.86                 | 20.78                 |                     |          |  |          |  |
| 5               | 64QAM      | 1       | 12        | 20.87                | 20.98                 | 21.00                 | 22                  | 1.4      |  |          |  |
| 5               | 64QAM      | 1       | 24        | 20.90                | 20.84                 | 20.81                 |                     |          |  |          |  |
| 5               | 64QAM      | 12      | 0         | 19.91                | 19.82                 | 19.78                 |                     |          |  |          |  |
| 5               | 64QAM      | 12      | 7         | 20.07                | 19.96                 | 19.77                 | 21                  | 2.4      |  |          |  |
| 5               | 64QAM      | 12      | 13        | 20.16                | 19.97                 | 19.81                 |                     |          |  |          |  |
| 5               | 64QAM      | 25      | 0         | 20.17                | 19.84                 | 20.00                 |                     |          |  |          |  |
| 5               | 256QAM     | 1       | 0         | 17.96                | 17.87                 | 18.15                 | 19                  | 4.4      |  |          |  |
| 5               | 256QAM     | 1       | 12        | 18.00                | 18.13                 | 17.94                 |                     |          |  |          |  |
| 5               | 256QAM     | 1       | 24        | 17.69                | 17.95                 | 17.83                 |                     |          |  |          |  |
| 5               | 256QAM     | 12      | 0         | 17.71                | 18.09                 | 18.01                 | 19                  | 4.4      |  |          |  |
| 5               | 256QAM     | 12      | 7         | 18.04                | 17.76                 | 17.77                 |                     |          |  |          |  |
| 5               | 256QAM     | 12      | 13        | 17.73                | 18.09                 | 17.96                 |                     |          |  |          |  |
| Channel         |            |         |           | 20415                | 20525                 | 20635                 | Tune-up limit (dBm) |          |  | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 825.5                | 836.5                 | 847.5                 |                     |          |  |          |  |
| 3               | QPSK       | 1       | 0         | 22.05                | 22.04                 | 22.13                 | 23.4                |          |  | 0        |  |
| 3               | QPSK       | 1       | 8         | 22.11                | 22.17                 | 22.06                 |                     |          |  |          |  |
| 3               | QPSK       | 1       | 14        | 22.12                | 22.05                 | 22.11                 |                     |          |  |          |  |
| 3               | QPSK       | 8       | 0         | 21.95                | 22.14                 | 22.11                 | 23                  | 0.4      |  |          |  |
| 3               | QPSK       | 8       | 4         | 21.84                | 21.86                 | 21.64                 |                     |          |  |          |  |
| 3               | QPSK       | 8       | 7         | 21.82                | 22.06                 | 21.94                 |                     |          |  |          |  |
| 3               | QPSK       | 15      | 0         | 22.11                | 21.96                 | 21.88                 | 23                  | 0.4      |  |          |  |
| 3               | 16QAM      | 1       | 0         | 21.89                | 21.95                 | 21.70                 |                     |          |  |          |  |
| 3               | 16QAM      | 1       | 8         | 21.90                | 21.75                 | 21.83                 |                     |          |  |          |  |
| 3               | 16QAM      | 1       | 14        | 22.12                | 21.99                 | 21.97                 | 22                  | 1.4      |  |          |  |
| 3               | 16QAM      | 8       | 0         | 20.71                | 20.78                 | 20.66                 |                     |          |  |          |  |
| 3               | 16QAM      | 8       | 4         | 20.77                | 21.07                 | 20.87                 |                     |          |  |          |  |
| 3               | 16QAM      | 8       | 7         | 20.70                | 20.93                 | 20.76                 | 22                  | 1.4      |  |          |  |
| 3               | 16QAM      | 15      | 0         | 20.84                | 20.86                 | 20.70                 |                     |          |  |          |  |
| 3               | 64QAM      | 1       | 0         | 20.97                | 20.87                 | 20.87                 |                     |          |  |          |  |
| 3               | 64QAM      | 1       | 8         | 20.84                | 20.96                 | 20.92                 | 22                  | 1.4      |  |          |  |
| 3               | 64QAM      | 1       | 14        | 20.97                | 20.90                 | 20.89                 |                     |          |  |          |  |
| 3               | 64QAM      | 8       | 0         | 19.94                | 19.83                 | 19.86                 |                     |          |  |          |  |
| 3               | 64QAM      | 8       | 4         | 19.90                | 19.99                 | 19.57                 | 21                  | 2.4      |  |          |  |
| 3               | 64QAM      | 8       | 7         | 19.94                | 20.06                 | 19.91                 |                     |          |  |          |  |
| 3               | 64QAM      | 15      | 0         | 20.10                | 19.96                 | 19.93                 |                     |          |  |          |  |
| 3               | 256QAM     | 1       | 0         | 18.08                | 17.84                 | 17.99                 | 19                  | 4.4      |  |          |  |
| 3               | 256QAM     | 1       | 8         | 18.05                | 18.05                 | 17.91                 |                     |          |  |          |  |
| 3               | 256QAM     | 1       | 14        | 17.91                | 17.84                 | 17.85                 |                     |          |  |          |  |
| 3               | 256QAM     | 8       | 0         | 17.69                | 18.12                 | 17.99                 | 19                  | 4.4      |  |          |  |
| 3               | 256QAM     | 8       | 4         | 17.90                | 17.82                 | 17.75                 |                     |          |  |          |  |
| 3               | 256QAM     | 8       | 7         | 17.80                | 18.09                 | 17.91                 |                     |          |  |          |  |
| 3               | 256QAM     | 15      | 0         | 18.12                | 17.94                 | 17.79                 |                     |          |  |          |  |
| Channel         |            |         |           | 20407                | 20525                 | 20643                 | Tune-up limit (dBm) |          |  | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 824.7                | 836.5                 | 848.3                 |                     |          |  |          |  |
| 1.4             | QPSK       | 1       | 0         | 22.10                | 22.08                 | 22.15                 | 23.4                | 0        |  |          |  |
| 1.4             | QPSK       | 1       | 3         | 22.16                | 22.05                 | 22.09                 |                     |          |  |          |  |
| 1.4             | QPSK       | 1       | 5         | 22.04                | 22.07                 | 22.04                 |                     |          |  |          |  |
| 1.4             | QPSK       | 3       | 0         | 22.04                | 22.04                 | 22.06                 | 23                  | 0.4      |  |          |  |
| 1.4             | QPSK       | 3       | 1         | 22.07                | 22.15                 | 22.14                 |                     |          |  |          |  |
| 1.4             | QPSK       | 3       | 3         | 22.14                | 22.10                 | 22.14                 |                     |          |  |          |  |
| 1.4             | QPSK       | 6       | 0         | 21.97                | 22.02                 | 22.07                 | 23                  | 0.4      |  |          |  |
| 1.4             | 16QAM      | 1       | 0         | 21.86                | 21.93                 | 21.74                 |                     |          |  |          |  |
| 1.4             | 16QAM      | 1       | 3         | 21.95                | 21.81                 | 21.78                 |                     |          |  |          |  |
| 1.4             | 16QAM      | 1       | 5         | 22.14                | 22.00                 | 22.05                 | 23                  | 0.4      |  |          |  |
| 1.4             | 16QAM      | 3       | 0         | 22.01                | 21.96                 | 22.09                 |                     |          |  |          |  |
| 1.4             | 16QAM      | 3       | 1         | 21.97                | 21.97                 | 21.93                 |                     |          |  |          |  |
| 1.4             | 16QAM      | 3       | 3         | 22.03                | 21.83                 | 21.85                 | 22                  | 1.4      |  |          |  |
| 1.4             | 16QAM      | 6       | 0         | 20.71                | 21.04                 | 20.73                 |                     |          |  |          |  |
| 1.4             | 64QAM      | 1       | 0         | 21.15                | 20.97                 | 20.83                 |                     |          |  |          |  |
| 1.4             | 64QAM      | 1       | 3         | 20.87                | 21.20                 | 20.87                 | 22                  | 1.4      |  |          |  |
| 1.4             | 64QAM      | 1       | 5         | 20.99                | 20.85                 | 20.97                 |                     |          |  |          |  |
| 1.4             | 64QAM      | 3       | 0         | 20.92                | 21.13                 | 20.73                 |                     |          |  |          |  |
| 1.4             | 64QAM      | 3       | 1         | 20.70                | 20.81                 | 20.70                 | 21                  | 2.4      |  |          |  |
| 1.4             | 64QAM      | 3       | 3         | 20.73                | 20.95                 | 20.79                 |                     |          |  |          |  |
| 1.4             | 64QAM      | 6       | 0         | 20.05                | 20.02                 | 20.06                 |                     |          |  |          |  |
| 1.4             | 256QAM     | 1       | 0         | 17.96                | 18.01                 | 18.06                 | 19                  | 4.4      |  |          |  |
| 1.4             | 256QAM     | 1       | 3         | 18.10                | 18.10                 | 17.84                 |                     |          |  |          |  |
| 1.4             | 256QAM     | 1       | 5         | 17.71                | 17.86                 | 18.02                 |                     |          |  |          |  |
| 1.4             | 256QAM     | 3       | 0         | 17.91                | 18.03                 | 17.98                 | 19                  | 4.4      |  |          |  |
| 1.4             | 256QAM     | 3       | 1         | 18.04                | 18.06                 | 17.89                 |                     |          |  |          |  |
| 1.4             | 256QAM     | 3       | 3         | 17.83                | 17.92                 | 18.02                 |                     |          |  |          |  |
| 1.4             | 256QAM     | 6       | 0         | 18.02                | 17.97                 | 17.88                 | 19                  | 4.4      |  |          |  |

## Reduced Power Mode for DS13\_Other Path

| Band 5 Ant 0    |            |         |           |                     |                     |                      |                     |          |  |  |  |  |
|-----------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|--|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Med Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |
| Channel         |            |         |           |                     |                     |                      |                     |          |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                     |          |  |  |  |  |
| 10              | QPSK       | 1       | 0         | 22.73               | 22.93               | 22.77                | 24                  | 0        |  |  |  |  |
| 10              | QPSK       | 1       | 25        | 22.49               | 22.72               | 22.72                |                     |          |  |  |  |  |
| 10              | QPSK       | 1       | 49        | 22.73               | 22.77               | 22.77                |                     |          |  |  |  |  |
| 10              | QPSK       | 25      | 0         | 21.89               | 21.94               | 21.91                |                     |          |  |  |  |  |
| 10              | QPSK       | 25      | 12        | 21.85               | 21.76               | 21.91                | 23                  | 1        |  |  |  |  |
| 10              | QPSK       | 25      | 25        | 21.86               | 21.85               | 21.87                |                     |          |  |  |  |  |
| 10              | QPSK       | 50      | 0         | 21.72               | 21.99               | 21.78                |                     |          |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 21.78               | 22.05               | 21.83                |                     |          |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 21.84               | 21.75               | 21.96                | 23                  | 1        |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 21.85               | 21.83               | 21.91                |                     |          |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 20.85               | 20.88               | 20.88                |                     |          |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 20.90               | 20.76               | 20.75                |                     |          |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 20.90               | 20.69               | 21.02                | 22                  | 2        |  |  |  |  |
| 10              | 64QAM      | 1       | 0         | 20.94               | 20.93               | 20.80                |                     |          |  |  |  |  |
| 10              | 64QAM      | 1       | 25        | 20.89               | 20.81               | 20.89                |                     |          |  |  |  |  |
| 10              | 64QAM      | 1       | 49        | 20.93               | 20.71               | 20.72                |                     |          |  |  |  |  |
| 10              | 64QAM      | 25      | 0         | 19.77               | 19.75               | 19.83                | 21                  | 3        |  |  |  |  |
| 10              | 64QAM      | 25      | 12        | 19.79               | 19.77               | 20.05                |                     |          |  |  |  |  |
| 10              | 64QAM      | 25      | 25        | 19.74               | 19.83               | 19.81                |                     |          |  |  |  |  |
| 10              | 64QAM      | 50      | 0         | 19.75               | 19.68               | 19.89                |                     |          |  |  |  |  |
| 10              | 256QAM     | 1       | 0         | 19.97               | 19.87               | 19.76                | 19                  | 5        |  |  |  |  |
| 10              | 256QAM     | 1       | 25        | 18.01               | 17.91               | 17.85                |                     |          |  |  |  |  |
| 10              | 256QAM     | 1       | 49        | 18.01               | 17.81               | 17.95                |                     |          |  |  |  |  |
| 10              | 256QAM     | 25      | 0         | 17.75               | 17.82               | 17.81                |                     |          |  |  |  |  |
| 10              | 256QAM     | 25      | 12        | 18.07               | 17.71               | 17.87                |                     |          |  |  |  |  |
| 10              | 256QAM     | 25      | 25        | 17.85               | 17.73               | 17.95                |                     |          |  |  |  |  |
| 10              | 256QAM     | 50      | 0         | 17.91               | 17.96               | 17.93                |                     |          |  |  |  |  |
| Channel         |            |         |           |                     |                     |                      |                     |          |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                     |          |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 22.62               | 22.75               | 22.65                | 24                  | 0        |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 22.45               | 22.64               | 22.72                |                     |          |  |  |  |  |
| 5               | QPSK       | 1       | 24        | 22.71               | 22.65               | 22.70                |                     |          |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 21.84               | 21.80               | 21.74                |                     |          |  |  |  |  |
| 5               | QPSK       | 12      | 7         | 21.80               | 21.67               | 21.92                | 23                  | 1        |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 21.80               | 21.69               | 21.78                |                     |          |  |  |  |  |
| 5               | QPSK       | 25      | 0         | 21.54               | 21.86               | 21.65                |                     |          |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 21.59               | 21.89               | 21.64                |                     |          |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 21.84               | 21.80               | 21.78                | 23                  | 1        |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 21.69               | 21.81               | 21.76                |                     |          |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 20.87               | 20.88               | 20.61                |                     |          |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 20.85               | 20.82               | 20.89                |                     |          |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 20.86               | 20.75               | 20.98                | 22                  | 2        |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 20.75               | 20.70               | 20.94                |                     |          |  |  |  |  |
| 5               | 64QAM      | 1       | 0         | 20.91               | 20.78               | 20.81                |                     |          |  |  |  |  |
| 5               | 64QAM      | 1       | 12        | 20.77               | 20.69               | 20.88                |                     |          |  |  |  |  |
| 5               | 64QAM      | 1       | 24        | 20.91               | 20.53               | 20.65                | 22                  | 2        |  |  |  |  |
| 5               | 64QAM      | 12      | 0         | 19.76               | 19.54               | 19.59                |                     |          |  |  |  |  |
| 5               | 64QAM      | 12      | 7         | 19.76               | 19.77               | 19.92                |                     |          |  |  |  |  |
| 5               | 64QAM      | 12      | 13        | 19.64               | 19.72               | 19.83                |                     |          |  |  |  |  |
| 5               | 64QAM      | 25      | 0         | 19.71               | 19.67               | 19.76                | 21                  | 3        |  |  |  |  |
| 5               | 256QAM     | 1       | 0         | 17.79               | 17.92               | 17.87                |                     |          |  |  |  |  |
| 5               | 256QAM     | 1       | 12        | 17.65               | 17.80               | 18.06                |                     |          |  |  |  |  |
| 5               | 256QAM     | 1       | 24        | 18.01               | 17.73               | 17.85                |                     |          |  |  |  |  |
| 5               | 256QAM     | 12      | 0         | 17.66               | 17.62               | 17.73                | 19                  | 5        |  |  |  |  |
| 5               | 256QAM     | 12      | 7         | 17.94               | 17.70               | 17.88                |                     |          |  |  |  |  |
| 5               | 256QAM     | 12      | 13        | 17.94               | 17.70               | 17.88                |                     |          |  |  |  |  |
| 5               | 256QAM     | 25      | 0         | 17.76               | 17.85               | 17.92                |                     |          |  |  |  |  |
| 5               | 256QAM     | 25      | 7         | 17.75               | 17.85               | 17.82                |                     |          |  |  |  |  |
| Channel         |            |         |           |                     |                     |                      |                     |          |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                     |          |  |  |  |  |
| 3               | QPSK       | 1       | 0         | 22.61               | 22.87               | 22.75                | 24                  | 0        |  |  |  |  |
| 3               | QPSK       | 1       | 8         | 22.39               | 22.71               | 22.70                |                     |          |  |  |  |  |
| 3               | QPSK       | 1       | 14        | 22.53               | 22.57               | 22.71                |                     |          |  |  |  |  |
| 3               | QPSK       | 8       | 0         | 21.64               | 21.80               | 21.80                |                     |          |  |  |  |  |
| 3               | QPSK       | 8       | 4         | 21.69               | 21.67               | 21.68                | 23                  | 1        |  |  |  |  |
| 3               | QPSK       | 8       | 7         | 21.85               | 21.70               | 21.86                |                     |          |  |  |  |  |
| 3               | QPSK       | 15      | 0         | 21.51               | 21.96               | 21.69                |                     |          |  |  |  |  |
| 3               | 16QAM      | 1       | 0         | 21.74               | 21.87               | 21.83                |                     |          |  |  |  |  |
| 3               | 16QAM      | 1       | 8         | 21.85               | 21.54               | 21.96                | 23                  | 1        |  |  |  |  |
| 3               | 16QAM      | 1       | 14        | 21.70               | 21.82               | 21.74                |                     |          |  |  |  |  |
| 3               | 16QAM      | 8       | 0         | 21.00               | 20.90               | 20.51                |                     |          |  |  |  |  |
| 3               | 16QAM      | 8       | 4         | 20.79               | 20.81               | 20.72                |                     |          |  |  |  |  |
| 3               | 16QAM      | 8       | 7         | 20.70               | 20.75               | 20.73                | 22                  | 2        |  |  |  |  |
| 3               | 16QAM      | 15      | 0         | 20.79               | 20.66               | 20.95                |                     |          |  |  |  |  |
| 3               | 64QAM      | 1       | 0         | 20.81               | 20.78               | 20.78                |                     |          |  |  |  |  |
| 3               | 64QAM      | 1       | 8         | 20.69               | 20.75               | 20.73                |                     |          |  |  |  |  |
| 3               | 64QAM      | 1       | 14        | 20.89               | 20.54               | 20.73                | 22                  | 2        |  |  |  |  |
| 3               | 64QAM      | 8       | 0         | 19.70               | 19.74               | 19.58                |                     |          |  |  |  |  |
| 3               | 64QAM      | 8       | 4         | 19.70               | 19.75               | 20.06                |                     |          |  |  |  |  |
| 3               | 64QAM      | 8       | 7         | 19.68               | 19.73               | 19.76                |                     |          |  |  |  |  |
| 3               | 64QAM      | 15      | 0         | 19.77               | 19.81               | 19.84                | 21                  | 3        |  |  |  |  |
| 3               | 256QAM     | 1       | 0         | 17.79               | 17.94               | 17.80                |                     |          |  |  |  |  |
| 3               | 256QAM     | 1       | 8         | 17.97               | 17.71               | 18.00                |                     |          |  |  |  |  |
| 3               | 256QAM     | 1       | 14        | 17.88               | 17.73               | 17.74                |                     |          |  |  |  |  |
| 3               | 256QAM     | 8       | 0         | 17.76               | 17.72               | 17.78                | 19                  | 5        |  |  |  |  |
| 3               | 256QAM     | 8       | 4         | 17.89               | 17.51               | 17.93                |                     |          |  |  |  |  |
| 3               | 256QAM     | 8       | 7         | 17.72               | 17.74               | 17.80                |                     |          |  |  |  |  |
| 3               | 256QAM     | 15      | 0         | 17.71               | 17.88               | 17.73                |                     |          |  |  |  |  |
| Channel         |            |         |           |                     |                     |                      |                     |          |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                     |          |  |  |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.52               | 22.78               | 22.76                | 24                  | 0        |  |  |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.51               | 22.87               | 22.74                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 1       | 5         | 22.44               | 22.65               | 22.58                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 3       | 0         | 22.64               | 22.89               | 22.85                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 3       | 1         | 22.50               | 22.77               | 22.54                | 23                  | 1        |  |  |  |  |
| 1.4             | QPSK       | 3       | 3         | 22.59               | 22.72               | 22.84                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 6       | 0         | 21.91               | 21.85               | 21.77                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 1       | 0         | 21.71               | 21.87               | 21.87                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 1       | 3         | 21.69               | 21.84               | 21.76                | 23                  | 1        |  |  |  |  |
| 1.4             | 16QAM      | 1       | 5         | 21.80               | 21.76               | 21.82                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 3       | 0         | 21.68               | 21.65               | 21.70                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.80               | 21.79               | 21.84                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 3       | 3         | 21.59               | 21.50               | 21.59                | 22                  | 2        |  |  |  |  |
| 1.4             | 16QAM      | 6       | 0         | 20.67               | 20.59               | 20.91                |                     |          |  |  |  |  |
| 1.4             | 64QAM      | 1       | 0         | 20.63               | 20.81               | 20.84                |                     |          |  |  |  |  |
| 1.4             | 64QAM      | 1       | 3         | 20.74               | 20.58               | 20.86                |                     |          |  |  |  |  |
| 1.4             | 64QAM      | 1       | 5         | 20.81               | 20.64               | 20.82                | 22                  | 2        |  |  |  |  |
| 1.4             | 64QAM      | 3       | 0         | 20.77               | 20.64               | 20.95                |                     |          |  |  |  |  |
| 1.4             | 64QAM      | 3       | 1         | 20.74               | 20.78               | 20.78                |                     |          |  |  |  |  |
| 1.4             | 64QAM      | 3       | 3         | 20.86               | 20.54               | 20.86                |                     |          |  |  |  |  |
| 1.4             | 64QAM      | 6       | 0         | 19.59               | 19.57               | 19.74                | 21                  | 3        |  |  |  |  |
| 1.4             | 256QAM     | 1       | 0         | 17.84               | 17.80               | 17.76                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 1       | 3         | 18.03               | 17.79               | 17.86                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 1       | 5         | 17.88               | 17.81               | 17.83                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 3       | 0         | 17.70               | 17.70               | 17.81                | 19                  | 5        |  |  |  |  |
| 1.4             | 256QAM     | 3       | 1         | 18.02               | 17.63               | 17.92                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 3       | 3         | 17.70               | 17.63               | 17.81                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 6       | 0         | 17.84               | 17.73               | 17.89                |                     |          |  |  |  |  |

| Band 26 Ant 0   |            |         |           |                     |                     |                      |                     |          |  |
|-----------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Med Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           |                     |                     |                      |                     |          |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                     |          |  |
| 15              | QPSK       | 1       | 0         | 22.72               | 23.01               | 22.85                | 24                  | 0        |  |
| 15              | QPSK       | 1       | 37        | 22.82               | 22.71               | 22.51                |                     |          |  |
| 15              | QPSK       | 1       | 74        | 22.68               | 22.81               | 22.77                |                     |          |  |
| 15              | QPSK       | 36      | 0         | 21.87               | 21.84               | 21.65                |                     |          |  |
| 15              | QPSK       | 36      | 20        | 21.71               | 21.64               | 21.75                | 23                  | 1        |  |
| 15              | QPSK       | 36      | 39        | 21.72               | 21.79               | 21.80                | 23                  | 1        |  |
| 15              | QPSK       | 1       | 74        | 21.81               | 21.81               | 21.71                |                     |          |  |
| 15              | 16QAM      | 1       | 0         | 21.60               | 21.68               | 21.66                |                     |          |  |
| 15              | 16QAM      | 1       | 37        | 21.56               | 21.68               | 21.66                |                     |          |  |
| 15              | 16QAM      | 1       | 74        | 21.87               | 21.70               | 21.83                | 22                  | 2        |  |
| 15              | 16QAM      | 1       | 111       | 20.86               | 20.86               | 20.73                |                     |          |  |
| 15              | 16QAM      | 36      | 20        | 20.73               | 20.70               | 20.71                |                     |          |  |
| 15              | 16QAM      | 36      | 39        | 20.83               | 20.90               | 20.77                |                     |          |  |
| 15              | 16QAM      | 75      | 0         | 20.83               | 20.81               | 20.85                | 21                  |          |  |
| 15              | 16QAM      | 75      | 1         | 20.74               | 20.73               | 20.73                |                     |          |  |
| 15              | 16QAM      | 36      | 20        | 20.83               | 20.82               | 20.87                |                     |          |  |
| 15              | 16QAM      | 36      | 39        | 19.81               | 19.72               | 19.90                |                     |          |  |
| 15              | 16QAM      | 36      | 20        | 19.83               | 19.84               | 19.81                | 19                  | 5        |  |
| 15              | 16QAM      | 36      | 39        | 19.73               | 19.82               | 19.88                |                     |          |  |
| 15              | 16QAM      | 75      | 0         | 19.75               | 19.81               | 19.78                |                     |          |  |
| 15              | 256QAM     | 1       | 0         | 17.56               | 17.61               | 17.66                |                     |          |  |
| 15              | 256QAM     | 1       | 37        | 17.64               | 17.63               | 17.65                | 19                  | 5        |  |
| 15              | 256QAM     | 1       | 74        | 17.71               | 17.66               | 17.62                |                     |          |  |
| 15              | 256QAM     | 36      | 0         | 17.63               | 17.50               | 17.64                |                     |          |  |
| 15              | 256QAM     | 36      | 20        | 17.76               | 17.56               | 17.62                |                     |          |  |
| 15              | 256QAM     | 36      | 39        | 17.70               | 17.75               | 17.78                | 19                  | 5        |  |
| 15              | 256QAM     | 75      | 0         | 17.62               | 17.72               | 17.68                |                     |          |  |
| 15              | 256QAM     | 75      | 1         | 17.62               | 17.62               | 17.68                |                     |          |  |
| 15              | 256QAM     | 75      | 2         | 17.62               | 17.62               | 17.68                |                     |          |  |
| Channel         |            |         |           |                     |                     |                      |                     |          |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                     |          |  |
| 10              | QPSK       | 1       | 0         | 22.63               | 22.87               | 22.77                | 24                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 22.73               | 22.65               | 22.49                |                     |          |  |
| 10              | QPSK       | 1       | 49        | 22.58               | 22.71               | 22.40                |                     |          |  |
| 10              | QPSK       | 25      | 21        | 21.87               | 21.81               | 21.58                |                     |          |  |
| 10              | QPSK       | 25      | 12        | 21.73               | 21.59               | 21.61                | 23                  | 1        |  |
| 10              | QPSK       | 25      | 25        | 21.64               | 21.70               | 21.62                |                     |          |  |
| 10              | QPSK       | 25      | 38        | 21.55               | 21.60               | 21.58                |                     |          |  |
| 10              | 16QAM      | 1       | 50        | 21.56               | 21.62               | 21.45                |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 21.53               | 21.60               | 21.64                | 23                  | 1        |  |
| 10              | 16QAM      | 1       | 49        | 21.47               | 21.68               | 21.84                |                     |          |  |
| 10              | 16QAM      | 25      | 0         | 20.77               | 20.46               | 20.73                |                     |          |  |
| 10              | 16QAM      | 25      | 38        | 20.68               | 20.68               | 20.68                |                     |          |  |
| 10              | 16QAM      | 25      | 23        | 20.79               | 20.90               | 20.66                | 22                  | 2        |  |
| 10              | 16QAM      | 50      | 0         | 20.78               | 20.64               | 20.66                |                     |          |  |
| 10              | 16QAM      | 1       | 0         | 20.56               | 20.51               | 20.62                |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 20.74               | 20.59               | 20.63                |                     |          |  |
| 10              | 16QAM      | 1       | 49        | 20.58               | 20.58               | 20.89                | 22                  | 2        |  |
| 10              | 16QAM      | 25      | 0         | 19.91               | 19.60               | 19.73                |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 19.64               | 19.71               | 19.61                |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 19.54               | 19.60               | 19.78                |                     |          |  |
| 10              | 16QAM      | 25      | 38        | 19.75               | 19.67               | 19.68                | 21                  | 3        |  |
| 10              | 256QAM     | 1       | 0         | 17.50               | 17.50               | 17.53                |                     |          |  |
| 10              | 256QAM     | 1       | 25        | 17.47               | 17.82               | 17.76                |                     |          |  |
| 10              | 256QAM     | 1       | 49        | 17.70               | 17.76               | 17.55                |                     |          |  |
| 10              | 256QAM     | 25      | 4         | 17.62               | 17.67               | 17.68                | 19                  | 5        |  |
| 10              | 256QAM     | 25      | 12        | 17.67               | 17.54               | 17.56                |                     |          |  |
| 10              | 256QAM     | 25      | 25        | 17.49               | 17.58               | 17.68                |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 17.62               | 17.52               | 17.52                |                     |          |  |
| Channel         |            |         |           |                     |                     |                      |                     |          |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                     |          |  |
| 5               | QPSK       | 1       | 0         | 22.73               | 22.94               | 22.84                | 24                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 22.73               | 22.50               | 22.48                |                     |          |  |
| 5               | QPSK       | 1       | 24        | 22.58               | 22.73               | 22.78                |                     |          |  |
| 5               | QPSK       | 12      | 0         | 21.65               | 21.71               | 21.64                |                     |          |  |
| 5               | QPSK       | 12      | 13        | 21.57               | 21.52               | 21.55                | 23                  | 1        |  |
| 5               | QPSK       | 25      | 0         | 21.58               | 21.63               | 21.51                |                     |          |  |
| 5               | 16QAM      | 1       | 24        | 21.46               | 21.59               | 21.50                |                     |          |  |
| 5               | 16QAM      | 12      | 0         | 21.52               | 21.52               | 21.52                |                     |          |  |
| 5               | 16QAM      | 1       | 24        | 21.52               | 21.54               | 21.70                | 23                  | 1        |  |
| 5               | 16QAM      | 12      | 0         | 20.85               | 20.59               | 20.72                |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 20.72               | 20.68               | 20.52                |                     |          |  |
| 5               | 16QAM      | 25      | 0         | 20.77               | 20.65               | 20.69                |                     |          |  |
| 5               | 16QAM      | 25      | 0         | 20.83               | 20.60               | 20.63                | 22                  | 2        |  |
| 5               | 16QAM      | 1       | 0         | 20.69               | 20.63               | 20.63                |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 20.57               | 20.47               | 20.57                |                     |          |  |
| 5               | 16QAM      | 1       | 24        | 20.65               | 20.43               | 20.79                |                     |          |  |
| 5               | 16QAM      | 12      | 4         | 19.74               | 19.55               | 19.82                | 21                  | 3        |  |
| 5               | 16QAM      | 12      | 7         | 19.72               | 19.71               | 19.66                |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 19.55               | 19.65               | 19.89                |                     |          |  |
| 5               | 16QAM      | 25      | 0         | 19.72               | 19.65               | 19.82                |                     |          |  |
| 5               | 256QAM     | 1       | 0         | 17.40               | 17.46               | 17.46                | 19                  | 5        |  |
| 5               | 256QAM     | 1       | 12        | 17.53               | 17.65               | 17.72                |                     |          |  |
| 5               | 256QAM     | 1       | 24        | 17.70               | 17.77               | 17.43                |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 17.42               | 17.38               | 17.55                |                     |          |  |
| 5               | 256QAM     | 12      | 7         | 17.68               | 17.72               | 17.62                | 19                  | 5        |  |
| 5               | 256QAM     | 12      | 13        | 17.51               | 17.75               | 17.64                |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 17.49               | 17.58               | 17.65                |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 17.50               | 17.58               | 17.65                |                     |          |  |
| Channel         |            |         |           |                     |                     |                      |                     |          |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                     |          |  |
| 3               | QPSK       | 1       | 0         | 22.75               | 22.93               | 22.85                | 24                  | 0        |  |
| 3               | QPSK       | 1       | 8         | 22.60               | 22.60               | 22.36                |                     |          |  |
| 3               | QPSK       | 1       | 14        | 22.70               | 22.72               | 22.68                |                     |          |  |
| 3               | QPSK       | 8       | 0         | 21.64               | 21.71               | 21.61                |                     |          |  |
| 3               | QPSK       | 8       | 7         | 21.54               | 21.71               | 21.61                | 23                  | 1        |  |
| 3               | QPSK       | 15      | 0         | 21.48               | 21.65               | 21.54                |                     |          |  |
| 3               | 16QAM      | 1       | 0         | 21.49               | 21.66               | 21.64                |                     |          |  |
| 3               | 16QAM      | 1       | 8         | 21.43               | 21.56               | 21.63                |                     |          |  |
| 3               | 16QAM      | 1       | 14        | 21.50               | 21.67               | 21.64                | 22                  | 2        |  |
| 3               | 16QAM      | 8       | 0         | 20.67               | 20.63               | 20.56                |                     |          |  |
| 3               | 16QAM      | 8       | 4         | 20.52               | 20.49               | 20.55                |                     |          |  |
| 3               | 16QAM      | 15      | 0         | 20.81               | 20.88               | 20.74                |                     |          |  |
| 3               | 16QAM      | 20      | 7         | 20.76               | 20.83               | 20.74                | 22                  | 2        |  |
| 3               | 16QAM      | 1       | 0         | 20.62               | 20.55               | 20.61                |                     |          |  |
| 3               | 16QAM      | 1       | 8         | 20.61               | 20.55               | 20.75                |                     |          |  |
| 3               | 16QAM      | 1       | 14        | 20.51               | 20.48               | 20.83                |                     |          |  |
| 3               | 16QAM      | 8       | 7         | 19.82               | 19.83               | 19.77                | 21                  | 3        |  |
| 3               | 16QAM      | 8       | 4         | 19.84               | 19.84               | 19.92                |                     |          |  |
| 3               | 16QAM      | 15      | 0         | 19.85               | 19.64               | 19.97                |                     |          |  |
| 3               | 16QAM      | 15      | 0         | 17.48               | 17.47               | 17.57                |                     |          |  |
| 3               | 256QAM     | 1       | 0         | 17.48               | 17.47               | 17.47                | 19                  | 5        |  |
| 3               | 256QAM     | 1       | 14        | 17.51               | 17.83               | 17.40                |                     |          |  |
| 3               | 256QAM     | 8       | 0         | 17.43               | 17.48               | 17.56                |                     |          |  |
| 3               | 256QAM     | 8       | 4         | 17.48               | 17.37               | 17.58                |                     |          |  |
| 3               | 256QAM     | 8       | 7         | 17.54               | 17.70               | 17.63                | 19                  | 5        |  |
| 3               | 256QAM     | 15      | 0         | 17.50               | 17.51               | 17.67                |                     |          |  |
| 3               | 256QAM     | 15      | 0         | 17.49               | 17.53               | 17.64                |                     |          |  |
| 3               | 256QAM     | 15      | 0         | 17.49               | 17.53               | 17.64                |                     |          |  |
| Channel         |            |         |           |                     |                     |                      |                     |          |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                     |          |  |
| 1.4             | QPSK       | 1       | 0         | 22.61               | 22.72               | 22.62                | 24                  | 0        |  |
| 1.4             | QPSK       | 1       | 5         | 22.60               | 22.78               | 22.52                |                     |          |  |
| 1.4             | QPSK       | 1       | 0         | 22.61               | 22.91               | 22.84                |                     |          |  |
| 1.4             | QPSK       | 1       | 1         | 22.78               | 22.63               | 22.50                |                     |          |  |
| 1.4             | QPSK       | 1       | 2         | 22.51               | 22.62               | 22.69                | 23                  | 1        |  |
| 1.4             | QPSK       | 6       | 0         | 21.53               | 21.65               | 21.71                |                     |          |  |
| 1.4             | 16QAM      | 1       | 0         | 21.51               | 21.66               | 21.69                |                     |          |  |
| 1.4             | 16QAM      | 1       | 3         | 21.61               | 21.60               | 21.61                |                     |          |  |
| 1.4             | 16QAM      | 1       | 2         | 21.75               | 21.61               | 21.61                | 23                  | 1        |  |
| 1.4             | 16QAM      | 3       | 0         | 21.50               | 21.50               | 21.39                |                     |          |  |
| 1.4             | 16QAM      | 3       | 1         | 21.69               | 21.29               | 21.45                |                     |          |  |
| 1.4             | 16QAM      | 3       | 3         | 21.49               | 21.61               | 21.52                |                     |          |  |
| 1.4             | 16QAM      | 3       | 0         | 20.67               | 20.41               | 20.76                | 22                  | 2        |  |
| 1.4             | 16QAM      | 3       | 2         | 20.89               | 20.60               | 20.84                |                     |          |  |
| 1.4             | 16QAM      | 1       | 3         | 20.74               | 20.54               | 20.69                |                     |          |  |
| 1.4             | 16QAM      | 1       | 5         | 20.65               | 20.63               | 20.63                |                     |          |  |
| 1.4             | 16QAM      | 3       | 0         | 20.79               | 20.55               | 20.65                | 22                  | 2        |  |
| 1.4             | 16QAM      | 3       | 2         | 20.63               | 20.60               | 20.59                |                     |          |  |
| 1.4             | 16QAM      | 3       | 3         | 20.49               | 20.49               | 20.60                |                     |          |  |
| 1.4             | 16QAM      | 6       | 0         | 19.85               | 19.69               | 19.62                |                     |          |  |
| 1.4             | 256QAM     | 1       | 0         | 17.50               | 17.58               | 17.59                | 21                  | 3        |  |
| 1.4             | 256QAM     | 1       | 2         | 17.40               | 17.59               | 17.64                |                     |          |  |
| 1.4             | 256QAM     | 1       | 5         | 17.60               | 17.81               | 17.68                |                     |          |  |
| 1.4             | 256QAM     | 3       | 1         | 17.46               | 17.39               | 17.44                |                     |          |  |
| 1.4             | 256QAM     | 3       | 2         | 17.60               | 17.53               | 17.76                | 19                  | 5        |  |
| 1.4             | 256QAM     | 3       | 0         | 17.57               | 17.63               | 17.71                |                     |          |  |

| Band 2 Ant 1    |            |         |           |           |           |           |              |          |      |     |  |
|-----------------|------------|---------|-----------|-----------|-----------|-----------|--------------|----------|------|-----|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power (W) | Power (W) | Power (W) | Turn-up (dB) | MFR (dB) |      |     |  |
| Channel         |            |         |           |           |           |           |              |          |      |     |  |
| Frequency (MHz) |            |         |           |           |           |           |              |          |      |     |  |
| 20              | QPSK       | 1       | 0         | 22.18     | 22.20     | 22.11     |              |          | 23.5 | 0   |  |
| 20              | QPSK       | 1       | 49        | 22.21     | 22.25     | 22.21     |              |          |      |     |  |
| 20              | QPSK       | 1       | 99        | 22.17     | 22.18     | 22.18     |              |          | 23   | 0.5 |  |
| 20              | QPSK       | 50      | 0         | 21.66     | 21.61     | 21.66     |              |          |      |     |  |
| 20              | QPSK       | 50      | 24        | 21.74     | 21.61     | 21.65     |              |          | 23   | 0.5 |  |
| 20              | QPSK       | 50      | 50        | 21.65     | 21.66     | 21.61     |              |          |      |     |  |
| 20              | QPSK       | 100     | 0         | 21.73     | 21.70     | 21.74     |              |          | 23   | 0.5 |  |
| 20              | QPSK       | 100     | 50        | 21.68     | 21.65     | 21.65     |              |          |      |     |  |
| 20              | QPSK       | 1       | 49        | 21.61     | 21.64     | 21.64     |              |          | 22   | 1.5 |  |
| 20              | QPSK       | 1       | 99        | 21.74     | 21.64     | 21.73     |              |          |      |     |  |
| 20              | QPSK       | 50      | 0         | 20.99     | 20.95     | 20.99     |              |          | 22   | 1.5 |  |
| 20              | QPSK       | 50      | 24        | 20.95     | 20.94     | 20.92     |              |          |      |     |  |
| 20              | QPSK       | 50      | 50        | 20.91     | 20.94     | 20.94     |              |          | 21   | 2.5 |  |
| 20              | QPSK       | 100     | 0         | 20.91     | 20.94     | 20.94     |              |          |      |     |  |
| 20              | QPSK       | 1       | 0         | 20.49     | 20.69     | 20.52     |              |          | 22   | 1.5 |  |
| 20              | QPSK       | 1       | 49        | 20.69     | 20.55     | 20.77     |              |          |      |     |  |
| 20              | QPSK       | 50      | 0         | 19.58     | 19.79     | 19.56     |              |          | 21   | 2.5 |  |
| 20              | QPSK       | 50      | 24        | 19.67     | 19.64     | 19.62     |              |          |      |     |  |
| 20              | QPSK       | 50      | 50        | 19.61     | 19.64     | 19.72     |              |          | 19   | 4.5 |  |
| 20              | QPSK       | 100     | 0         | 19.61     | 19.62     | 19.56     |              |          |      |     |  |
| 20              | QPSK       | 1       | 49        | 17.58     | 17.73     | 17.77     |              |          | 19   | 4.5 |  |
| 20              | QPSK       | 50      | 0         | 17.51     | 17.64     | 17.68     |              |          |      |     |  |
| 20              | QPSK       | 50      | 24        | 17.59     | 17.62     | 17.59     |              |          | 19   | 4.5 |  |
| 20              | QPSK       | 50      | 50        | 17.60     | 17.56     | 17.57     |              |          |      |     |  |
| 20              | QPSK       | 100     | 0         | 17.60     | 17.56     | 17.57     |              |          | 19   | 4.5 |  |
| 20              | QPSK       | 100     | 50        | 17.60     | 17.57     | 17.59     |              |          |      |     |  |
| Channel         |            |         |           |           |           |           |              |          |      |     |  |
| Frequency (MHz) |            |         |           |           |           |           |              |          |      |     |  |
| 15              | QPSK       | 1       | 0         | 18.97     | 18.90     | 18.92     |              |          | 23.5 | 0   |  |
| 15              | QPSK       | 1       | 49        | 18.99     | 18.96     | 18.96     |              |          |      |     |  |
| 15              | QPSK       | 1       | 74        | 18.99     | 18.92     | 18.96     |              |          | 23   | 0.5 |  |
| 15              | QPSK       | 50      | 0         | 21.68     | 21.67     | 21.49     |              |          |      |     |  |
| 15              | QPSK       | 50      | 24        | 21.66     | 21.61     | 21.41     |              |          | 23   | 0.5 |  |
| 15              | QPSK       | 50      | 50        | 21.58     | 21.28     | 21.73     |              |          |      |     |  |
| 15              | QPSK       | 75      | 0         | 21.62     | 21.62     | 21.73     |              |          | 23   | 0.5 |  |
| 15              | QPSK       | 75      | 0         | 21.60     | 21.60     | 21.58     |              |          |      |     |  |
| 15              | QPSK       | 1       | 37        | 21.53     | 21.46     | 21.53     |              |          | 22   | 1.5 |  |
| 15              | QPSK       | 1       | 8         | 21.52     | 21.47     | 21.59     |              |          |      |     |  |
| 15              | QPSK       | 36      | 0         | 20.92     | 20.89     | 20.85     |              |          | 22   | 1.5 |  |
| 15              | QPSK       | 36      | 20        | 20.34     | 20.49     | 20.39     |              |          |      |     |  |
| 15              | QPSK       | 36      | 50        | 20.45     | 20.49     | 20.54     |              |          | 22   | 1.5 |  |
| 15              | QPSK       | 75      | 0         | 20.54     | 20.49     | 20.54     |              |          |      |     |  |
| 15              | QPSK       | 1       | 0         | 20.33     | 20.49     | 20.39     |              |          | 21   | 2.5 |  |
| 15              | QPSK       | 1       | 49        | 20.45     | 20.49     | 20.54     |              |          |      |     |  |
| 15              | QPSK       | 1       | 74        | 20.35     | 20.32     | 20.43     |              |          | 21   | 2.5 |  |
| 15              | QPSK       | 36      | 0         | 19.47     | 19.50     | 19.35     |              |          |      |     |  |
| 15              | QPSK       | 36      | 20        | 19.58     | 19.44     | 19.49     |              |          | 21   | 2.5 |  |
| 15              | QPSK       | 36      | 50        | 19.45     | 19.55     | 19.72     |              |          |      |     |  |
| 15              | QPSK       | 36      | 75        | 19.61     | 19.64     | 19.65     |              |          | 19   | 4.5 |  |
| 15              | QPSK       | 75      | 0         | 19.53     | 19.63     | 19.53     |              |          |      |     |  |
| 15              | QPSK       | 1       | 37        | 17.42     | 17.50     | 17.52     |              |          | 19   | 4.5 |  |
| 15              | QPSK       | 1       | 74        | 17.49     | 17.60     | 17.76     |              |          |      |     |  |
| 15              | QPSK       | 36      | 0         | 17.32     | 17.43     | 17.46     |              |          | 19   | 4.5 |  |
| 15              | QPSK       | 36      | 20        | 17.43     | 17.57     | 17.42     |              |          |      |     |  |
| 15              | QPSK       | 36      | 50        | 17.46     | 17.58     | 17.37     |              |          | 19   | 4.5 |  |
| 15              | QPSK       | 36      | 75        | 17.46     | 17.55     | 17.42     |              |          |      |     |  |
| Channel         |            |         |           |           |           |           |              |          |      |     |  |
| Frequency (MHz) |            |         |           |           |           |           |              |          |      |     |  |
| 10              | QPSK       | 1       | 0         | 22.17     | 22.22     | 22.10     |              |          | 23.5 | 0   |  |
| 10              | QPSK       | 1       | 49        | 22.18     | 22.20     | 22.18     |              |          |      |     |  |
| 10              | QPSK       | 1       | 99        | 22.18     | 22.09     | 22.08     |              |          | 23   | 0.5 |  |
| 10              | QPSK       | 50      | 0         | 21.71     | 21.65     | 21.48     |              |          |      |     |  |
| 10              | QPSK       | 50      | 25        | 21.67     | 21.30     | 21.61     |              |          | 23   | 0.5 |  |
| 10              | QPSK       | 50      | 50        | 21.64     | 21.30     | 21.64     |              |          |      |     |  |
| 10              | QPSK       | 1       | 0         | 21.49     | 21.45     | 21.39     |              |          | 23   | 0.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 21   | 2.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 21   | 2.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 21   | 2.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 21   | 2.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 21   | 2.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 21   | 2.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 21   | 2.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 21   | 2.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 21   | 2.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 21   | 2.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 21   | 2.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 21   | 2.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 21   | 2.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 21   | 2.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          | 22   | 1.5 |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |
| 10              | QPSK       | 1       | 25        | 21.46     | 21.51     | 21.53     |              |          |      |     |  |

| Band 38 Ant 1   |            |         |           |                          |                             |                           |               |      |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|---------------|------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit | MPR  |  |
| Channel         |            |         |           | 37650                    | 38000                       | 38150                     | 24            | 0    |  |
| Frequency (MHz) |            |         |           | 2580                     | 2595                        | 2610                      |               |      |  |
| 20              | QPSK       | 1       | 0         | 22.80                    | 23.08                       | 23.01                     | 23            | 1    |  |
| 20              | QPSK       | 1       | 49        | 22.75                    | 22.92                       | 22.81                     |               |      |  |
| 20              | QPSK       | 1       | 99        | 22.84                    | 22.71                       | 22.66                     |               |      |  |
| 20              | QPSK       | 50      | 0         | 21.79                    | 22.07                       | 21.98                     |               |      |  |
| 20              | QPSK       | 50      | 24        | 21.89                    | 21.95                       | 21.68                     | 23            | 1    |  |
| 20              | QPSK       | 50      | 50        | 21.70                    | 21.67                       | 22.00                     |               |      |  |
| 20              | QPSK       | 100     | 0         | 21.99                    | 22.12                       | 21.83                     |               |      |  |
| 20              | 16QAM      | 1       | 0         | 21.75                    | 21.60                       | 21.91                     |               |      |  |
| 20              | 16QAM      | 1       | 49        | 21.61                    | 21.98                       | 21.83                     | 22            | 2    |  |
| 20              | 16QAM      | 1       | 99        | 21.89                    | 21.86                       | 21.59                     |               |      |  |
| 20              | 16QAM      | 50      | 0         | 20.75                    | 20.71                       | 20.83                     |               |      |  |
| 20              | 16QAM      | 50      | 24        | 20.85                    | 20.48                       | 20.79                     |               |      |  |
| 20              | 16QAM      | 50      | 50        | 20.86                    | 20.50                       | 20.62                     | 22            | 2    |  |
| 20              | 16QAM      | 100     | 0         | 20.45                    | 20.74                       | 20.50                     |               |      |  |
| 20              | 64QAM      | 1       | 0         | 20.54                    | 20.55                       | 20.71                     |               |      |  |
| 20              | 64QAM      | 1       | 49        | 20.52                    | 20.67                       | 20.65                     |               |      |  |
| 20              | 64QAM      | 1       | 99        | 20.66                    | 20.58                       | 20.93                     | 21            | 3    |  |
| 20              | 64QAM      | 50      | 0         | 19.66                    | 19.65                       | 19.84                     |               |      |  |
| 20              | 64QAM      | 50      | 24        | 19.74                    | 19.81                       | 19.55                     |               |      |  |
| 20              | 64QAM      | 50      | 50        | 19.71                    | 19.60                       | 19.97                     |               |      |  |
| 20              | 64QAM      | 100     | 0         | 19.60                    | 19.76                       | 19.55                     | 19            | 5    |  |
| 20              | 256QAM     | 1       | 0         | 17.81                    | 17.77                       | 17.65                     |               |      |  |
| 20              | 256QAM     | 1       | 49        | 17.72                    | 17.71                       | 17.80                     |               |      |  |
| 20              | 256QAM     | 1       | 99        | 17.58                    | 17.62                       | 17.61                     |               |      |  |
| 20              | 256QAM     | 50      | 0         | 17.70                    | 17.63                       | 17.58                     | 19            | 5    |  |
| 20              | 256QAM     | 50      | 24        | 17.92                    | 17.74                       | 17.76                     |               |      |  |
| 20              | 256QAM     | 50      | 50        | 17.62                    | 17.68                       | 17.68                     |               |      |  |
| 20              | 256QAM     | 100     | 0         | 17.71                    | 17.76                       | 17.93                     |               |      |  |
| Channel         |            |         |           | 37625                    | 38000                       | 38175                     | Tune-up limit | MPR  |  |
| Frequency (MHz) |            |         |           | 2577.5                   | 2595                        | 2612.5                    | (dBm)         | (dB) |  |
| 15              | QPSK       | 1       | 0         | 22.97                    | 23.05                       | 23.00                     | 24            | 0    |  |
| 15              | QPSK       | 1       | 37        | 22.79                    | 22.76                       | 22.86                     |               |      |  |
| 15              | QPSK       | 1       | 74        | 22.65                    | 22.74                       | 22.74                     |               |      |  |
| 15              | QPSK       | 36      | 0         | 21.87                    | 21.96                       | 21.94                     |               |      |  |
| 15              | QPSK       | 36      | 20        | 21.95                    | 21.92                       | 21.85                     | 23            | 1    |  |
| 15              | QPSK       | 36      | 39        | 21.77                    | 21.77                       | 21.96                     |               |      |  |
| 15              | QPSK       | 75      | 0         | 21.82                    | 22.07                       | 21.89                     |               |      |  |
| 15              | 16QAM      | 1       | 0         | 21.77                    | 21.99                       | 22.03                     |               |      |  |
| 15              | 16QAM      | 1       | 37        | 21.62                    | 21.93                       | 22.00                     | 23            | 1    |  |
| 15              | 16QAM      | 1       | 74        | 21.83                    | 21.83                       | 21.81                     |               |      |  |
| 15              | 16QAM      | 36      | 0         | 20.59                    | 20.82                       | 20.74                     |               |      |  |
| 15              | 16QAM      | 36      | 20        | 20.87                    | 20.35                       | 20.74                     |               |      |  |
| 15              | 16QAM      | 36      | 39        | 20.80                    | 20.71                       | 20.75                     | 22            | 2    |  |
| 15              | 16QAM      | 75      | 0         | 20.58                    | 20.87                       | 20.53                     |               |      |  |
| 15              | 64QAM      | 1       | 0         | 20.45                    | 20.77                       | 20.49                     |               |      |  |
| 15              | 64QAM      | 1       | 37        | 20.50                    | 20.78                       | 20.70                     |               |      |  |
| 15              | 64QAM      | 1       | 74        | 20.65                    | 20.72                       | 20.90                     | 22            | 2    |  |
| 15              | 64QAM      | 36      | 0         | 19.72                    | 19.74                       | 19.71                     |               |      |  |
| 15              | 64QAM      | 36      | 20        | 19.89                    | 19.71                       | 19.64                     |               |      |  |
| 15              | 64QAM      | 36      | 39        | 19.61                    | 19.53                       | 19.85                     |               |      |  |
| 15              | 64QAM      | 75      | 0         | 19.74                    | 19.70                       | 19.70                     | 21            | 3    |  |
| 15              | 256QAM     | 1       | 0         | 17.88                    | 17.78                       | 17.67                     |               |      |  |
| 15              | 256QAM     | 1       | 37        | 17.82                    | 17.81                       | 17.73                     |               |      |  |
| 15              | 256QAM     | 1       | 74        | 17.58                    | 17.76                       | 17.64                     |               |      |  |
| 15              | 256QAM     | 36      | 0         | 17.61                    | 17.88                       | 17.63                     | 19            | 5    |  |
| 15              | 256QAM     | 36      | 20        | 17.83                    | 17.90                       | 17.77                     |               |      |  |
| 15              | 256QAM     | 36      | 39        | 17.61                    | 17.76                       | 17.54                     |               |      |  |
| 15              | 256QAM     | 75      | 0         | 17.76                    | 17.71                       | 17.78                     |               |      |  |
| Channel         |            |         |           | 37900                    | 38000                       | 38200                     | Tune-up limit | MPR  |  |
| Frequency (MHz) |            |         |           | 2575                     | 2595                        | 2615                      | (dBm)         | (dB) |  |
| 10              | QPSK       | 1       | 0         | 22.85                    | 23.02                       | 23.03                     | 24            | 0    |  |
| 10              | QPSK       | 1       | 25        | 22.76                    | 22.72                       | 22.89                     |               |      |  |
| 10              | QPSK       | 1       | 49        | 22.64                    | 22.77                       | 22.70                     |               |      |  |
| 10              | QPSK       | 25      | 0         | 21.84                    | 22.07                       | 21.78                     |               |      |  |
| 10              | QPSK       | 25      | 12        | 21.87                    | 21.90                       | 21.90                     | 23            | 1    |  |
| 10              | QPSK       | 25      | 25        | 21.88                    | 21.63                       | 21.97                     |               |      |  |
| 10              | QPSK       | 50      | 0         | 21.85                    | 22.11                       | 21.88                     |               |      |  |
| 10              | 16QAM      | 1       | 0         | 21.80                    | 21.89                       | 21.92                     |               |      |  |
| 10              | 16QAM      | 1       | 25        | 21.63                    | 21.99                       | 21.98                     | 23            | 1    |  |
| 10              | 16QAM      | 1       | 49        | 21.96                    | 21.85                       | 21.71                     |               |      |  |
| 10              | 16QAM      | 25      | 0         | 20.65                    | 20.68                       | 20.88                     |               |      |  |
| 10              | 16QAM      | 25      | 12        | 20.71                    | 20.42                       | 20.70                     |               |      |  |
| 10              | 16QAM      | 25      | 25        | 20.82                    | 20.47                       | 20.80                     | 22            | 2    |  |
| 10              | 16QAM      | 50      | 0         | 20.66                    | 20.91                       | 20.57                     |               |      |  |
| 10              | 64QAM      | 1       | 0         | 20.56                    | 20.59                       | 20.72                     |               |      |  |
| 10              | 64QAM      | 1       | 25        | 20.56                    | 20.73                       | 20.68                     |               |      |  |
| 10              | 64QAM      | 1       | 49        | 20.57                    | 20.59                       | 20.72                     | 21            | 3    |  |
| 10              | 64QAM      | 25      | 0         | 19.82                    | 19.72                       | 19.77                     |               |      |  |
| 10              | 64QAM      | 25      | 12        | 19.84                    | 19.63                       | 19.61                     |               |      |  |
| 10              | 64QAM      | 25      | 25        | 19.69                    | 19.69                       | 19.95                     |               |      |  |
| 10              | 64QAM      | 50      | 0         | 19.64                    | 19.61                       | 19.70                     | 19            | 5    |  |
| 10              | 256QAM     | 1       | 0         | 17.82                    | 17.77                       | 17.62                     |               |      |  |
| 10              | 256QAM     | 1       | 25        | 17.73                    | 17.89                       | 17.70                     |               |      |  |
| 10              | 256QAM     | 1       | 49        | 17.51                    | 17.72                       | 17.71                     |               |      |  |
| 10              | 256QAM     | 25      | 0         | 17.71                    | 17.94                       | 17.61                     | 19            | 5    |  |
| 10              | 256QAM     | 25      | 12        | 17.99                    | 17.76                       | 17.73                     |               |      |  |
| 10              | 256QAM     | 25      | 25        | 17.77                    | 17.75                       | 17.59                     |               |      |  |
| 10              | 256QAM     | 50      | 0         | 17.65                    | 17.79                       | 17.89                     |               |      |  |
| Channel         |            |         |           | 37775                    | 38000                       | 38225                     | Tune-up limit | MPR  |  |
| Frequency (MHz) |            |         |           | 2272.5                   | 2295                        | 2317.5                    | (dBm)         | (dB) |  |
| 5               | QPSK       | 1       | 0         | 22.78                    | 22.95                       | 22.96                     | 24            | 0    |  |
| 5               | QPSK       | 1       | 12        | 22.90                    | 22.89                       | 22.82                     |               |      |  |
| 5               | QPSK       | 1       | 24        | 22.68                    | 22.79                       | 22.84                     |               |      |  |
| 5               | QPSK       | 12      | 0         | 21.83                    | 21.96                       | 21.83                     |               |      |  |
| 5               | QPSK       | 12      | 7         | 21.90                    | 21.94                       | 21.93                     | 23            | 1    |  |
| 5               | QPSK       | 12      | 13        | 21.89                    | 21.96                       | 21.97                     |               |      |  |
| 5               | QPSK       | 25      | 0         | 21.77                    | 21.96                       | 21.83                     |               |      |  |
| 5               | 16QAM      | 1       | 0         | 21.86                    | 21.98                       | 21.91                     |               |      |  |
| 5               | 16QAM      | 1       | 12        | 21.80                    | 21.78                       | 22.04                     | 23            | 1    |  |
| 5               | 16QAM      | 1       | 24        | 22.00                    | 21.80                       | 21.60                     |               |      |  |
| 5               | 16QAM      | 12      | 0         | 20.72                    | 20.77                       | 20.72                     |               |      |  |
| 5               | 16QAM      | 12      | 7         | 20.86                    | 20.58                       | 20.74                     |               |      |  |
| 5               | 16QAM      | 12      | 13        | 20.81                    | 20.66                       | 20.73                     | 22            | 2    |  |
| 5               | 16QAM      | 25      | 0         | 20.47                    | 20.75                       | 20.40                     |               |      |  |
| 5               | 64QAM      | 1       | 0         | 20.64                    | 20.96                       | 20.52                     |               |      |  |
| 5               | 64QAM      | 1       | 12        | 20.49                    | 20.62                       | 20.70                     |               |      |  |
| 5               | 64QAM      | 1       | 24        | 20.59                    | 20.66                       | 20.91                     | 22            | 2    |  |
| 5               | 64QAM      | 12      | 0         | 19.71                    | 19.74                       | 19.89                     |               |      |  |
| 5               | 64QAM      | 12      | 7         | 19.92                    | 19.81                       | 19.75                     |               |      |  |
| 5               | 64QAM      | 12      | 13        | 19.76                    | 19.55                       | 19.94                     |               |      |  |
| 5               | 64QAM      | 25      | 0         | 19.59                    | 19.72                       | 19.66                     | 21            | 3    |  |
| 5               | 256QAM     | 1       | 0         | 17.73                    | 17.84                       | 17.46                     |               |      |  |
| 5               | 256QAM     | 1       | 12        | 17.73                    | 17.75                       | 17.85                     |               |      |  |
| 5               | 256QAM     | 1       | 24        | 17.66                    | 17.71                       | 17.77                     |               |      |  |
| 5               | 256QAM     | 12      | 0         | 17.65                    | 17.90                       | 17.65                     | 19            | 5    |  |
| 5               | 256QAM     | 12      | 7         | 18.00                    | 17.94                       | 17.86                     |               |      |  |
| 5               | 256QAM     | 12      | 13        | 17.66                    | 17.77                       | 17.63                     |               |      |  |
| 5               | 256QAM     | 25      | 0         | 17.78                    | 17.75                       | 17.80                     |               |      |  |

| Band 41 Ant 1   |            |         |           |                      |                             |                       |                            |                     |          |        |        |       |        |                     |                     |          |
|-----------------|------------|---------|-----------|----------------------|-----------------------------|-----------------------|----------------------------|---------------------|----------|--------|--------|-------|--------|---------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq | Power Low Middle Ch. / Freq | Power High Ch. / Freq | Power High High Ch. / Freq | Tune-up limit (dBm) | MPR (dB) |        |        |       |        |                     |                     |          |
| Channel         |            |         |           | 39750                | 40185                       | 40620                 | 41055                      | 24                  | 0        |        |        |       |        |                     |                     |          |
| Frequency (MHz) |            |         |           | 2506                 | 2549.5                      | 2593                  | 2636                       |                     |          |        |        |       |        |                     |                     |          |
| 20              | QPSK       | 1       | 0         | 23.06                | 23.00                       | 23.11                 | 22.92                      | 23.08               | 24       | 0      |        |       |        |                     |                     |          |
| 20              | QPSK       | 1       | 49        | 22.55                | 22.95                       | 22.73                 | 22.95                      | 22.82               |          |        |        |       |        |                     |                     |          |
| 20              | QPSK       | 1       | 99        | 22.70                | 22.55                       | 22.75                 | 22.71                      | 22.69               |          |        |        |       |        |                     |                     |          |
| 20              | QPSK       | 50      | 0         | 21.60                | 21.94                       | 22.00                 | 21.69                      | 21.91               |          |        |        |       |        |                     |                     |          |
| 20              | QPSK       | 50      | 0         | 21.86                | 21.77                       | 21.81                 | 21.83                      | 21.79               | 23       | 1      |        |       |        |                     |                     |          |
| 20              | QPSK       | 50      | 50        | 20.56                | 20.85                       | 20.85                 | 20.56                      | 20.85               |          |        |        |       |        |                     |                     |          |
| 20              | QPSK       | 50      | 100       | 20.56                | 20.85                       | 20.85                 | 20.56                      | 20.85               |          |        |        |       |        |                     |                     |          |
| 20              | QPSK       | 100     | 0         | 21.60                | 21.61                       | 21.79                 | 21.68                      | 21.68               |          |        |        |       |        |                     |                     |          |
| 20              | 16QAM      | 1       | 0         | 21.49                | 21.65                       | 21.69                 | 21.61                      | 21.46               | 23       | 1      |        |       |        |                     |                     |          |
| 20              | 16QAM      | 1       | 49        | 21.55                | 21.86                       | 21.48                 | 21.89                      | 21.59               |          |        |        |       |        |                     |                     |          |
| 20              | 16QAM      | 1       | 99        | 21.85                | 21.76                       | 21.68                 | 21.61                      | 21.76               |          |        |        |       |        |                     |                     |          |
| 20              | 16QAM      | 50      | 0         | 20.53                | 20.50                       | 20.85                 | 20.50                      | 20.87               |          |        |        |       |        |                     |                     |          |
| 20              | 16QAM      | 50      | 24        | 20.66                | 20.75                       | 20.57                 | 20.51                      | 20.49               | 22       | 2      |        |       |        |                     |                     |          |
| 20              | 16QAM      | 50      | 50        | 20.73                | 20.74                       | 20.71                 | 20.39                      | 20.77               |          |        |        |       |        |                     |                     |          |
| 20              | 16QAM      | 100     | 0         | 20.60                | 20.56                       | 20.49                 | 20.62                      | 20.60               |          |        |        |       |        |                     |                     |          |
| 20              | 64QAM      | 1       | 0         | 20.38                | 20.59                       | 20.59                 | 20.30                      | 20.57               |          |        |        |       |        |                     |                     |          |
| 20              | 64QAM      | 1       | 49        | 20.53                | 20.51                       | 20.79                 | 20.51                      | 20.60               | 22       | 2      |        |       |        |                     |                     |          |
| 20              | 64QAM      | 1       | 99        | 20.63                | 20.53                       | 20.84                 | 20.68                      | 20.71               |          |        |        |       |        |                     |                     |          |
| 20              | 64QAM      | 50      | 0         | 19.56                | 19.94                       | 19.71                 | 19.71                      | 19.53               |          |        |        |       |        |                     |                     |          |
| 20              | 64QAM      | 50      | 24        | 19.60                | 19.59                       | 19.84                 | 19.60                      | 19.64               |          |        |        |       |        |                     |                     |          |
| 20              | 64QAM      | 50      | 50        | 19.74                | 19.29                       | 19.57                 | 19.49                      | 19.70               | 21       | 3      |        |       |        |                     |                     |          |
| 20              | 64QAM      | 100     | 0         | 19.81                | 19.44                       | 19.37                 | 19.51                      | 19.61               |          |        |        |       |        |                     |                     |          |
| 20              | 64QAM      | 1       | 0         | 17.60                | 17.81                       | 17.72                 | 17.53                      | 17.53               |          |        |        |       |        |                     |                     |          |
| 20              | 256QAM     | 1       | 49        | 17.58                | 17.46                       | 17.74                 | 17.59                      | 17.88               |          |        |        |       |        |                     |                     |          |
| 20              | 256QAM     | 1       | 99        | 17.53                | 17.61                       | 17.46                 | 17.59                      | 17.66               | 19       | 5      |        |       |        |                     |                     |          |
| 20              | 256QAM     | 50      | 0         | 17.67                | 17.96                       | 17.63                 | 17.84                      | 17.66               |          |        |        |       |        |                     |                     |          |
| 20              | 256QAM     | 50      | 24        | 17.56                | 17.60                       | 17.62                 | 17.88                      | 17.48               |          |        |        |       |        |                     |                     |          |
| 20              | 256QAM     | 50      | 50        | 17.65                | 17.63                       | 17.64                 | 17.73                      | 17.53               |          |        |        |       |        |                     |                     |          |
| 20              | 256QAM     | 100     | 0         | 17.62                | 17.95                       | 17.71                 | 17.84                      | 18.06               | Channel  | 2503.5 | 4107.3 | 4593  | 4106.8 | 4151.5              | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 0         | 22.92                | 22.83                       | 22.91                 | 22.84                      | 22.86               |          |        |        |       |        |                     |                     |          |
| 15              | QPSK       | 1       | 37        | 22.51                | 22.93                       | 22.60                 | 22.92                      | 22.61               |          |        |        |       |        |                     |                     |          |
| 15              | QPSK       | 1       | 74        | 22.69                | 22.67                       | 22.65                 | 22.71                      | 22.67               |          |        |        |       |        |                     |                     |          |
| 15              | QPSK       | 36      | 0         | 21.40                | 21.92                       | 21.89                 | 21.58                      | 21.87               | 24       | 0      |        |       |        |                     |                     |          |
| 15              | QPSK       | 36      | 20        | 21.84                | 21.71                       | 21.77                 | 21.73                      | 21.72               |          |        |        |       |        |                     |                     |          |
| 15              | QPSK       | 36      | 39        | 21.39                | 21.42                       | 21.69                 | 21.68                      | 21.87               |          |        |        |       |        |                     |                     |          |
| 15              | QPSK       | 75      | 0         | 21.42                | 21.54                       | 21.79                 | 21.59                      | 21.69               |          |        |        |       |        |                     |                     |          |
| 15              | 16QAM      | 1       | 0         | 21.34                | 21.66                       | 21.68                 | 21.51                      | 21.37               | 23       | 1      |        |       |        |                     |                     |          |
| 15              | 16QAM      | 1       | 37        | 21.34                | 21.71                       | 21.39                 | 21.76                      | 21.41               |          |        |        |       |        |                     |                     |          |
| 15              | 16QAM      | 1       | 74        | 21.86                | 21.54                       | 21.61                 | 21.51                      | 21.70               |          |        |        |       |        |                     |                     |          |
| 15              | 16QAM      | 36      | 0         | 20.47                | 20.45                       | 20.67                 | 20.56                      | 20.57               |          |        |        |       |        |                     |                     |          |
| 15              | 16QAM      | 36      | 20        | 20.58                | 20.64                       | 20.57                 | 20.31                      | 20.49               | 22       | 2      |        |       |        |                     |                     |          |
| 15              | 16QAM      | 36      | 39        | 20.63                | 20.54                       | 20.71                 | 20.28                      | 20.58               |          |        |        |       |        |                     |                     |          |
| 15              | 16QAM      | 75      | 0         | 20.38                | 20.38                       | 20.39                 | 20.28                      | 20.37               |          |        |        |       |        |                     |                     |          |
| 15              | 64QAM      | 1       | 0         | 20.38                | 20.58                       | 20.39                 | 20.29                      | 20.43               |          |        |        |       |        |                     |                     |          |
| 15              | 64QAM      | 1       | 37        | 20.32                | 20.39                       | 20.69                 | 20.46                      | 20.42               | 22       | 2      |        |       |        |                     |                     |          |
| 15              | 64QAM      | 1       | 74        | 20.44                | 20.31                       | 20.81                 | 20.62                      | 20.71               |          |        |        |       |        |                     |                     |          |
| 15              | 64QAM      | 36      | 0         | 19.50                | 19.86                       | 19.55                 | 19.72                      | 19.47               |          |        |        |       |        |                     |                     |          |
| 15              | 64QAM      | 36      | 20        | 19.61                | 19.61                       | 19.65                 | 19.57                      | 19.58               |          |        |        |       |        |                     |                     |          |
| 15              | 64QAM      | 36      | 39        | 19.62                | 19.13                       | 19.39                 | 19.36                      | 19.32               | 21       | 3      |        |       |        |                     |                     |          |
| 15              | 64QAM      | 75      | 0         | 19.78                | 19.27                       | 19.27                 | 19.40                      | 19.53               |          |        |        |       |        |                     |                     |          |
| 15              | 256QAM     | 1       | 0         | 17.43                | 17.73                       | 17.67                 | 17.38                      | 17.34               |          |        |        |       |        |                     |                     |          |
| 15              | 256QAM     | 1       | 37        | 17.46                | 17.32                       | 17.64                 | 17.41                      | 17.48               |          |        |        |       |        |                     |                     |          |
| 15              | 256QAM     | 1       | 74        | 17.35                | 17.47                       | 17.25                 | 17.45                      | 17.45               | 19       | 5      |        |       |        |                     |                     |          |
| 15              | 256QAM     | 36      | 0         | 17.51                | 17.60                       | 17.45                 | 17.71                      | 17.58               |          |        |        |       |        |                     |                     |          |
| 15              | 256QAM     | 36      | 20        | 17.51                | 17.42                       | 17.60                 | 17.75                      | 17.37               |          |        |        |       |        |                     |                     |          |
| 15              | 256QAM     | 36      | 39        | 17.63                | 17.57                       | 17.48                 | 17.72                      | 17.32               |          |        |        |       |        |                     |                     |          |
| 15              | 256QAM     | 75      | 0         | 17.62                | 17.82                       | 17.67                 | 17.48                      | 18.05               | Channel  | 39700  | 40160  | 40620 | 41080  | 41540               | Tune-up limit (dBm) | MPR (dB) |
| 10              | QPSK       | 1       | 0         | 22.67                | 22.84                       | 22.94                 | 22.84                      | 23.00               |          |        |        |       |        |                     |                     |          |
| 10              | QPSK       | 1       | 25        | 22.49                | 22.95                       | 22.56                 | 22.83                      | 22.77               |          |        |        |       |        |                     |                     |          |
| 10              | QPSK       | 1       | 49        | 22.70                | 22.48                       | 22.68                 | 22.60                      | 22.56               |          |        |        |       |        |                     |                     |          |
| 10              | QPSK       | 25      | 0         | 21.50                | 21.86                       | 21.93                 | 21.63                      | 21.72               | 24       | 0      |        |       |        |                     |                     |          |
| 10              | QPSK       | 25      | 12        | 21.77                | 21.76                       | 21.63                 | 21.77                      | 21.75               |          |        |        |       |        |                     |                     |          |
| 10              | QPSK       | 25      | 25        | 21.32                | 21.95                       | 21.79                 | 21.78                      | 21.74               |          |        |        |       |        |                     |                     |          |
| 10              | QPSK       | 36      | 0         | 21.46                | 21.62                       | 21.66                 | 21.62                      | 21.61               |          |        |        |       |        |                     |                     |          |
| 10              | 16QAM      | 1       | 0         | 21.30                | 21.45                       | 21.62                 | 21.54                      | 21.35               | 23       | 1      |        |       |        |                     |                     |          |
| 10              | 16QAM      | 1       | 25        | 21.52                | 21.83                       | 21.39                 | 21.89                      | 21.38               |          |        |        |       |        |                     |                     |          |
| 10              | 16QAM      | 1       | 49        | 21.72                | 21.74                       | 21.62                 | 21.60                      | 21.70               |          |        |        |       |        |                     |                     |          |
| 10              | 16QAM      | 25      | 0         | 20.53                | 20.40                       | 20.84                 | 20.58                      | 20.60               |          |        |        |       |        |                     |                     |          |
| 10              | 16QAM      | 25      | 0         | 20.53                | 20.69                       | 20.69                 | 20.47                      | 20.37               | 22       | 2      |        |       |        |                     |                     |          |
| 10              | 16QAM      | 25      | 25        | 20.72                | 20.67                       | 20.59                 | 20.31                      | 20.61               |          |        |        |       |        |                     |                     |          |
| 10              | 16QAM      | 50      | 0         | 20.47                | 20.45                       | 20.43                 | 20.44                      | 20.40               |          |        |        |       |        |                     |                     |          |
| 10              | 64QAM      | 1       | 0         | 20.35                | 20.38                       | 20.48                 | 20.09                      | 20.43               |          |        |        |       |        |                     |                     |          |
| 10              | 64QAM      | 1       | 25        | 20.41                | 20.41                       | 20.59                 | 20.34                      | 20.45               | 22       | 2      |        |       |        |                     |                     |          |
| 10              | 64QAM      | 1       | 49        | 20.42                | 20.33                       | 20.81                 | 20.61                      | 20.58               |          |        |        |       |        |                     |                     |          |
| 10              | 64QAM      | 25      | 0         | 19.41                | 19.83                       | 19.73                 | 19.64                      | 19.62               |          |        |        |       |        |                     |                     |          |
| 10              | 64QAM      | 25      | 12        | 19.52                | 19.55                       | 19.74                 | 19.48                      | 19.58               |          |        |        |       |        |                     |                     |          |
| 10              | 64QAM      | 25      | 25        | 19.75                | 19.13                       | 19.57                 | 19.41                      | 19.61               | 21       | 3      |        |       |        |                     |                     |          |
| 10              | 64QAM      | 50      | 0         | 19.75                | 19.27                       | 19.16                 | 19.33                      | 19.58               |          |        |        |       |        |                     |                     |          |
| 10              | 256QAM     | 1       | 0         | 17.48                | 17.69                       | 17.55                 | 17.35                      | 17.32               |          |        |        |       |        |                     |                     |          |
| 10              | 256QAM     | 1       | 25        | 17.37                | 17.39                       | 17.71                 | 17.49                      | 17.80               |          |        |        |       |        |                     |                     |          |
| 10              | 256QAM     | 1       | 31        | 17.31                | 17.54                       | 17.47                 | 17.52                      | 17.57               | 19       | 5      |        |       |        |                     |                     |          |
| 10              | 256QAM     | 25      | 0         | 17.53                | 17.94                       | 17.61                 | 17.86                      | 17.51               |          |        |        |       |        |                     |                     |          |
| 10              | 256QAM     | 25      | 12        | 17.46                | 17.44                       | 17.59                 | 17.87                      | 17.29               |          |        |        |       |        |                     |                     |          |
| 10              | 256QAM     | 25      | 25        | 17.59                | 17.44                       | 17.53                 | 17.63                      | 17.38               |          |        |        |       |        |                     |                     |          |
| 10              | 256QAM     | 50      | 0         | 17.54                | 17.75                       | 17.50                 | 17.65                      | 17.56               | Channel  | 39715  | 40174  | 40629 | 41055  | Tune-up limit (dBm) | MPR (dB)            |          |
| 5               | QPSK       | 1       | 0         | 22.89                | 22.82                       | 23.03                 | 22.83                      | 22.89               |          |        |        |       |        |                     |                     |          |
| 5               | QPSK       | 1       | 12        | 22.54                | 22.74                       | 22.69                 | 22.84                      | 22.76               |          |        |        |       |        |                     |                     |          |
| 5               | QPSK       | 1       | 24        | 22.60                | 22.42                       | 22.61                 | 22.61                      | 22.59               |          |        |        |       |        |                     |                     |          |
| 5               | QPSK       | 12      | 0         | 21.54                | 21.85                       | 21.68                 | 21.59                      | 21.71               | 23       | 1      |        |       |        |                     |                     |          |
| 5               | QPSK       | 12      | 0         | 21.71                | 21.61                       | 21.52                 | 21.76                      | 21.80               |          |        |        |       |        |                     |                     |          |
| 5               | QPSK       | 12      | 13        | 21.27                | 21.39                       | 21.95                 | 21.87                      | 21.77               |          |        |        |       |        |                     |                     |          |
| 5               | QPSK       | 25      | 0         | 21.54                | 21.48                       | 21.82                 | 21.66                      | 21.59               |          |        |        |       |        |                     |                     |          |
| 5               | 16QAM      | 1       | 0         | 21.35                | 21.67                       | 21.55                 | 21.55                      | 21.46               | 23       | 1      |        |       |        |                     |                     |          |
| 5               | 16QAM      | 1       | 12        | 21.41                | 21.72                       | 21.47                 | 21.90                      | 21.52               |          |        |        |       |        |                     |                     |          |
| 5               | 16QAM      | 1       | 24        | 21.71                | 21.74                       | 21.69                 | 21.59                      | 21.58               |          |        |        |       |        |                     |                     |          |
| 5               | 16QAM      | 12      | 0         | 20.53                | 20.38                       | 20.70                 | 20.59                      | 20.84               |          |        |        |       |        |                     |                     |          |
| 5               | 16QAM      | 12      | 7         | 20.45                | 20.63                       | 20.49                 | 20.36                      | 20.35               | 22       | 2      |        |       |        |                     |                     |          |
| 5               | 16QAM      | 12      | 13        | 20.62                | 20.69                       | 20.68                 | 20.27                      | 20.65               |          |        |        |       |        |                     |                     |          |
| 5               | 16QAM      | 25      | 0         | 20.53                | 20.53                       | 20.31                 | 20.45                      | 20.58               |          |        |        |       |        |                     |                     |          |
| 5               | 64QAM      | 1       | 0         | 20.25                | 20.39                       | 20.39                 | 20.09                      | 20.42               |          |        |        |       |        |                     |                     |          |
| 5               | 64QAM      | 1       | 12        | 20.35                | 20.40                       | 20.76                 | 20.44                      | 20.41               | 22       | 2      |        |       |        |                     |                     |          |
| 5               | 64QAM      | 1       | 24        | 20.64                | 20.43                       | 20.83                 | 20.70                      | 20.69               |          |        |        |       |        |                     |                     |          |
| 5               | 64QAM      | 12      | 0         | 19.49                | 19.87                       | 19.64                 | 19.71                      | 19.32               |          |        |        |       |        |                     |                     |          |
| 5               | 64QAM      | 12      | 7         | 19.53                | 19.56                       | 19.73                 | 19.54                      | 19.48               |          |        |        |       |        |                     |                     |          |
| 5               | 64QAM      | 12      | 13        | 19.53                | 19.27                       | 19.37                 | 19.39                      | 19.66               | 21       | 3      |        |       |        |                     |                     |          |
| 5               | 64QAM      | 25      | 0         | 19.75                | 19.25                       | 19.27                 | 19.49                      | 19.48               |          |        |        |       |        |                     |                     |          |
| 5               | 256QAM     | 1       | 0         | 17.48                | 17.69                       | 17.68                 | 17.32                      | 17.50               |          |        |        |       |        |                     |                     |          |
| 5               | 256QAM     | 1       | 12        | 17.52                | 17.42                       | 17.72                 | 17.49                      | 17.80               |          |        |        |       |        |                     |                     |          |
| 5               | 256QAM     | 1       | 24        | 17.48                | 17.39                       | 17.25                 | 17.52                      | 17.47               | 19       | 5      |        |       |        |                     |                     |          |
| 5               | 256QAM     | 12      | 0         | 17.69                | 17.79                       | 17.42                 | 17.64                      | 17.52               |          |        |        |       |        |                     |                     |          |
| 5               | 256QAM     | 25      | 0         | 17.59                | 17.43                       | 17.45                 | 17.68                      | 17.48               |          |        |        |       |        |                     |                     |          |
| 5               | 256QAM     | 25      | 0         | 17.63                | 17.63                       | 17.64                 | 17.42                      | 17.42               |          |        |        |       |        |                     |                     |          |
| 5               | 256QAM     | 12      | 7         | 17.49                | 17.74                       | 17.55                 | 17.49                      | 17.51               |          |        |        |       |        |                     |                     |          |

| Band 5 Ant 4    |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 20450                 | 20525                    | 20602                  |                     |          |  |
| Frequency (MHz) |            |         |           | 939                   | 938.5                    | 944                    |                     |          |  |
| 10              | QPSK       | 1       | 0         | 21.70                 | 21.87                    | 21.64                  | 22.7                | 0        |  |
| 10              | QPSK       | 1       | 25        | 21.48                 | 21.37                    | 21.40                  |                     |          |  |
| 10              | QPSK       | 1       | 49        | 21.41                 | 21.80                    | 21.51                  |                     |          |  |
| 10              | QPSK       | 25      | 0         | 21.55                 | 21.79                    | 21.50                  | 22.7                | 0        |  |
| 10              | QPSK       | 25      | 12        | 21.59                 | 21.73                    | 21.61                  |                     |          |  |
| 10              | QPSK       | 25      | 25        | 21.58                 | 21.72                    | 21.52                  |                     |          |  |
| 10              | QPSK       | 50      | 0         | 21.66                 | 21.69                    | 21.58                  | 22.7                | 0        |  |
| 10              | 16QAM      | 1       | 0         | 21.64                 | 21.78                    | 21.65                  |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 21.64                 | 21.66                    | 21.49                  |                     |          |  |
| 10              | 16QAM      | 1       | 49        | 21.60                 | 21.82                    | 21.52                  | 22                  | 0.7      |  |
| 10              | 16QAM      | 25      | 0         | 20.85                 | 20.89                    | 20.72                  |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 20.94                 | 21.17                    | 20.91                  |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 20.76                 | 20.95                    | 20.76                  | 21                  | 1.7      |  |
| 10              | 16QAM      | 50      | 0         | 20.86                 | 21.07                    | 20.85                  |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 21.14                 | 21.06                    | 20.83                  |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 21.01                 | 21.18                    | 20.98                  | 22                  | 0.7      |  |
| 10              | 64QAM      | 1       | 49        | 21.03                 | 20.90                    | 20.98                  |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 20.39                 | 20.32                    | 19.92                  |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 20.05                 | 20.11                    | 19.75                  | 21                  | 1.7      |  |
| 10              | 64QAM      | 25      | 25        | 20.16                 | 20.11                    | 19.93                  |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 20.24                 | 20.05                    | 20.15                  |                     |          |  |
| 10              | 256QAM     | 1       | 0         | 18.08                 | 18.02                    | 18.16                  | 19                  | 3.7      |  |
| 10              | 256QAM     | 1       | 25        | 18.10                 | 18.26                    | 18.07                  |                     |          |  |
| 10              | 256QAM     | 1       | 49        | 17.91                 | 17.95                    | 18.03                  |                     |          |  |
| 10              | 256QAM     | 25      | 0         | 17.84                 | 18.21                    | 18.02                  | 19                  | 3.7      |  |
| 10              | 256QAM     | 25      | 12        | 18.08                 | 17.85                    | 17.84                  |                     |          |  |
| 10              | 256QAM     | 25      | 25        | 17.89                 | 18.10                    | 18.04                  |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 18.12                 | 18.12                    | 17.95                  |                     |          |  |
| Channel         |            |         |           | 20425                 | 20525                    | 20625                  |                     |          |  |
| Frequency (MHz) |            |         |           | 925.5                 | 936.5                    | 946.5                  |                     |          |  |
| 5               | QPSK       | 1       | 0         | 21.60                 | 21.67                    | 21.61                  |                     |          |  |
| 5               | QPSK       | 1       | 12        | 21.46                 | 21.16                    | 21.28                  | 22.7                | 0        |  |
| 5               | QPSK       | 1       | 24        | 21.30                 | 21.67                    | 21.46                  |                     |          |  |
| 5               | QPSK       | 12      | 0         | 21.40                 | 21.60                    | 21.35                  |                     |          |  |
| 5               | QPSK       | 12      | 7         | 21.50                 | 21.59                    | 21.50                  | 22.7                | 0        |  |
| 5               | QPSK       | 12      | 13        | 21.48                 | 21.60                    | 21.51                  |                     |          |  |
| 5               | QPSK       | 25      | 0         | 21.65                 | 21.46                    | 21.44                  |                     |          |  |
| 5               | 16QAM      | 1       | 0         | 21.50                 | 21.63                    | 21.51                  | 22.7                | 0        |  |
| 5               | 16QAM      | 1       | 12        | 21.46                 | 21.66                    | 21.40                  |                     |          |  |
| 5               | 16QAM      | 1       | 24        | 21.58                 | 21.77                    | 21.35                  |                     |          |  |
| 5               | 16QAM      | 12      | 0         | 20.66                 | 20.80                    | 20.64                  | 22                  | 0.7      |  |
| 5               | 16QAM      | 12      | 7         | 20.89                 | 20.99                    | 20.90                  |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 20.80                 | 20.83                    | 20.71                  |                     |          |  |
| 5               | 16QAM      | 25      | 0         | 20.87                 | 21.09                    | 20.87                  | 22                  | 0.7      |  |
| 5               | 64QAM      | 1       | 0         | 21.02                 | 20.86                    | 20.78                  |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 20.87                 | 20.98                    | 21.00                  |                     |          |  |
| 5               | 64QAM      | 1       | 24        | 20.90                 | 20.84                    | 20.81                  | 21                  | 1.7      |  |
| 5               | 64QAM      | 12      | 0         | 19.91                 | 19.82                    | 19.78                  |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 20.07                 | 19.96                    | 19.77                  |                     |          |  |
| 5               | 64QAM      | 12      | 13        | 20.16                 | 19.97                    | 19.91                  | 19                  | 3.7      |  |
| 5               | 64QAM      | 25      | 0         | 20.17                 | 19.84                    | 20.00                  |                     |          |  |
| 5               | 256QAM     | 1       | 0         | 17.95                 | 17.87                    | 18.15                  |                     |          |  |
| 5               | 256QAM     | 1       | 12        | 18.00                 | 18.13                    | 17.94                  | 19                  | 3.7      |  |
| 5               | 256QAM     | 1       | 24        | 17.69                 | 17.95                    | 17.83                  |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 17.71                 | 18.09                    | 18.01                  |                     |          |  |
| 5               | 256QAM     | 12      | 7         | 18.04                 | 17.76                    | 17.77                  | 19                  | 3.7      |  |
| 5               | 256QAM     | 12      | 13        | 17.73                 | 18.09                    | 17.96                  |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 17.97                 | 18.05                    | 17.92                  |                     |          |  |
| Channel         |            |         |           | 20415                 | 20525                    | 20635                  |                     |          |  |
| Frequency (MHz) |            |         |           | 825.5                 | 836.5                    | 847.5                  |                     |          |  |
| 3               | QPSK       | 1       | 0         | 21.72                 | 21.66                    | 21.63                  | 22.7                | 0        |  |
| 3               | QPSK       | 1       | 8         | 21.30                 | 21.37                    | 21.35                  |                     |          |  |
| 3               | QPSK       | 1       | 14        | 21.23                 | 21.94                    | 21.34                  |                     |          |  |
| 3               | QPSK       | 8       | 0         | 21.36                 | 21.71                    | 21.32                  | 22.7                | 0        |  |
| 3               | QPSK       | 8       | 4         | 21.40                 | 21.58                    | 21.47                  |                     |          |  |
| 3               | QPSK       | 8       | 7         | 21.48                 | 21.84                    | 21.44                  |                     |          |  |
| 3               | QPSK       | 15      | 0         | 21.67                 | 21.59                    | 21.57                  | 22.7                | 0        |  |
| 3               | 16QAM      | 1       | 0         | 21.52                 | 21.68                    | 21.54                  |                     |          |  |
| 3               | 16QAM      | 1       | 8         | 21.65                 | 21.44                    | 21.43                  |                     |          |  |
| 3               | 16QAM      | 1       | 14        | 21.51                 | 21.71                    | 21.44                  | 22                  | 0.7      |  |
| 3               | 16QAM      | 8       | 0         | 20.71                 | 20.78                    | 20.66                  |                     |          |  |
| 3               | 16QAM      | 8       | 4         | 20.77                 | 21.07                    | 20.87                  |                     |          |  |
| 3               | 16QAM      | 8       | 7         | 20.70                 | 20.93                    | 20.76                  | 22                  | 0.7      |  |
| 3               | 16QAM      | 15      | 0         | 20.84                 | 20.86                    | 20.70                  |                     |          |  |
| 3               | 64QAM      | 1       | 0         | 20.97                 | 20.87                    | 20.87                  |                     |          |  |
| 3               | 64QAM      | 1       | 8         | 20.94                 | 20.96                    | 20.92                  | 21                  | 1.7      |  |
| 3               | 64QAM      | 1       | 14        | 20.97                 | 20.90                    | 20.89                  |                     |          |  |
| 3               | 64QAM      | 8       | 0         | 19.94                 | 19.83                    | 19.86                  |                     |          |  |
| 3               | 64QAM      | 8       | 4         | 19.90                 | 19.99                    | 19.97                  | 19                  | 3.7      |  |
| 3               | 64QAM      | 8       | 7         | 19.94                 | 20.06                    | 19.91                  |                     |          |  |
| 3               | 64QAM      | 15      | 0         | 20.10                 | 19.96                    | 19.93                  |                     |          |  |
| 3               | 256QAM     | 1       | 0         | 18.08                 | 17.84                    | 17.99                  | 19                  | 3.7      |  |
| 3               | 256QAM     | 1       | 8         | 18.05                 | 18.05                    | 17.91                  |                     |          |  |
| 3               | 256QAM     | 1       | 14        | 17.91                 | 17.84                    | 17.85                  |                     |          |  |
| 3               | 256QAM     | 8       | 0         | 17.69                 | 18.12                    | 17.99                  | 19                  | 3.7      |  |
| 3               | 256QAM     | 8       | 4         | 17.90                 | 17.82                    | 17.75                  |                     |          |  |
| 3               | 256QAM     | 8       | 7         | 17.80                 | 18.09                    | 17.91                  |                     |          |  |
| 3               | 256QAM     | 15      | 0         | 18.12                 | 17.94                    | 17.79                  |                     |          |  |
| Channel         |            |         |           | 20407                 | 20525                    | 20643                  |                     |          |  |
| Frequency (MHz) |            |         |           | 824.7                 | 836.5                    | 848.3                  |                     |          |  |
| 1.4             | QPSK       | 1       | 0         | 21.64                 | 21.72                    | 21.64                  |                     |          |  |
| 1.4             | QPSK       | 1       | 3         | 21.29                 | 21.24                    | 21.22                  | 22.7                | 0        |  |
| 1.4             | QPSK       | 1       | 5         | 21.37                 | 21.65                    | 21.35                  |                     |          |  |
| 1.4             | QPSK       | 3       | 0         | 21.38                 | 21.80                    | 21.45                  |                     |          |  |
| 1.4             | QPSK       | 3       | 1         | 21.44                 | 21.57                    | 21.51                  | 22.7                | 0        |  |
| 1.4             | QPSK       | 3       | 3         | 21.46                 | 21.51                    | 21.47                  |                     |          |  |
| 1.4             | QPSK       | 6       | 0         | 21.47                 | 21.57                    | 21.45                  |                     |          |  |
| 1.4             | 16QAM      | 1       | 0         | 21.45                 | 21.71                    | 21.62                  | 22.7                | 0        |  |
| 1.4             | 16QAM      | 1       | 3         | 21.49                 | 21.45                    | 21.45                  |                     |          |  |
| 1.4             | 16QAM      | 1       | 5         | 21.39                 | 21.80                    | 21.32                  |                     |          |  |
| 1.4             | 16QAM      | 3       | 0         | 21.68                 | 21.70                    | 21.65                  | 22                  | 0.7      |  |
| 1.4             | 16QAM      | 3       | 1         | 21.42                 | 21.38                    | 21.32                  |                     |          |  |
| 1.4             | 16QAM      | 3       | 3         | 21.30                 | 21.65                    | 21.32                  |                     |          |  |
| 1.4             | 16QAM      | 6       | 0         | 20.71                 | 21.04                    | 20.73                  | 22                  | 0.7      |  |
| 1.4             | 64QAM      | 1       | 0         | 21.15                 | 20.97                    | 20.83                  |                     |          |  |
| 1.4             | 64QAM      | 1       | 3         | 20.87                 | 21.20                    | 20.87                  |                     |          |  |
| 1.4             | 64QAM      | 1       | 5         | 20.99                 | 20.85                    | 20.97                  | 21                  | 1.7      |  |
| 1.4             | 64QAM      | 3       | 0         | 20.92                 | 21.13                    | 20.73                  |                     |          |  |
| 1.4             | 64QAM      | 3       | 1         | 20.70                 | 20.81                    | 20.70                  |                     |          |  |
| 1.4             | 64QAM      | 3       | 3         | 20.73                 | 20.95                    | 20.79                  | 19                  | 3.7      |  |
| 1.4             | 64QAM      | 6       | 0         | 20.05                 | 20.02                    | 20.06                  |                     |          |  |
| 1.4             | 256QAM     | 1       | 0         | 17.96                 | 18.01                    | 18.06                  |                     |          |  |
| 1.4             | 256QAM     | 1       | 3         | 18.10                 | 18.10                    | 17.94                  | 19                  | 3.7      |  |
| 1.4             | 256QAM     | 1       | 5         | 17.71                 | 17.86                    | 18.02                  |                     |          |  |
| 1.4             | 256QAM     | 3       | 0         | 17.91                 | 18.03                    | 17.98                  |                     |          |  |
| 1.4             | 256QAM     | 3       | 1         | 18.04                 | 18.06                    | 17.89                  | 19                  | 3.7      |  |
| 1.4             | 256QAM     | 3       | 3         | 17.83                 | 17.92                    | 18.02                  |                     |          |  |
| 1.4             | 256QAM     | 6       | 0         | 18.02                 | 17.97                    | 17.88                  |                     |          |  |

## Reduced Power Mode for DS16\_Other Path

| Band 5 Ant 0    |            |         |           |                    |                     |                     |                     |          |  |  |  |  |  |  |
|-----------------|------------|---------|-----------|--------------------|---------------------|---------------------|---------------------|----------|--|--|--|--|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch (MHz) | Power Mode Ch (MHz) | Power High Ch (MHz) | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |  |  |
| Channel         |            |         |           |                    |                     |                     |                     |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                    |                     |                     |                     |          |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 0         | 22.73              | 22.93               | 22.77               | 24                  | 0        |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 25        | 22.48              | 22.48               | 22.72               |                     |          |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 49        | 22.73              | 22.77               | 22.77               |                     |          |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 0         | 21.89              | 21.94               | 21.91               |                     |          |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 12        | 21.85              | 21.86               | 21.91               | 23                  | 1        |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 25        | 21.86              | 21.85               | 21.87               |                     |          |  |  |  |  |  |  |
| 10              | QPSK       | 50      | 0         | 21.72              | 21.99               | 21.78               |                     |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 21.78              | 22.05               | 21.83               |                     |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 21.84              | 21.75               | 21.95               | 23                  | 1        |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 21.89              | 21.83               | 21.91               |                     |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 21.01              | 20.88               | 20.87               |                     |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 20.85              | 20.86               | 20.88               |                     |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 20.90              | 20.78               | 20.75               | 22                  | 2        |  |  |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 20.90              | 20.69               | 21.02               |                     |          |  |  |  |  |  |  |
| 10              | 64QAM      | 1       | 0         | 20.94              | 20.93               | 20.80               |                     |          |  |  |  |  |  |  |
| 10              | 64QAM      | 1       | 25        | 20.89              | 20.81               | 20.89               |                     |          |  |  |  |  |  |  |
| 10              | 64QAM      | 1       | 49        | 20.93              | 20.71               | 20.72               | 21                  | 3        |  |  |  |  |  |  |
| 10              | 64QAM      | 25      | 0         | 19.77              | 19.75               | 19.63               |                     |          |  |  |  |  |  |  |
| 10              | 64QAM      | 25      | 12        | 19.79              | 19.77               | 20.05               |                     |          |  |  |  |  |  |  |
| 10              | 64QAM      | 25      | 25        | 19.74              | 19.83               | 19.81               |                     |          |  |  |  |  |  |  |
| 10              | 64QAM      | 50      | 0         | 19.75              | 19.68               | 19.89               | 19                  | 5        |  |  |  |  |  |  |
| 10              | 256QAM     | 1       | 0         | 17.94              | 17.97               | 17.85               |                     |          |  |  |  |  |  |  |
| 10              | 256QAM     | 1       | 25        | 18.01              | 17.91               | 18.04               |                     |          |  |  |  |  |  |  |
| 10              | 256QAM     | 1       | 49        | 18.01              | 17.81               | 17.95               |                     |          |  |  |  |  |  |  |
| 10              | 256QAM     | 25      | 0         | 17.75              | 17.82               | 17.81               | 19                  | 5        |  |  |  |  |  |  |
| 10              | 256QAM     | 25      | 12        | 18.07              | 17.71               | 17.97               |                     |          |  |  |  |  |  |  |
| 10              | 256QAM     | 25      | 25        | 17.85              | 17.73               | 17.85               |                     |          |  |  |  |  |  |  |
| 10              | 256QAM     | 50      | 0         | 17.91              | 17.96               | 17.83               |                     |          |  |  |  |  |  |  |
| Channel         |            |         |           |                    |                     |                     |                     |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                    |                     |                     |                     |          |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 22.62              | 22.75               | 22.65               | 24                  | 0        |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 22.45              | 22.64               | 22.72               |                     |          |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 24        | 22.71              | 22.65               | 22.70               |                     |          |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 21.84              | 21.80               | 21.74               |                     |          |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 7         | 21.80              | 21.87               | 21.92               | 23                  | 1        |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 21.80              | 21.89               | 21.78               |                     |          |  |  |  |  |  |  |
| 5               | QPSK       | 25      | 0         | 21.54              | 21.86               | 21.65               |                     |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 21.58              | 21.89               | 21.64               |                     |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 21.84              | 21.60               | 21.79               | 23                  | 1        |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 21.66              | 21.81               | 21.76               |                     |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 20.67              | 20.68               | 20.61               |                     |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 20.85              | 20.82               | 20.89               |                     |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 20.69              | 20.75               | 20.58               | 22                  | 2        |  |  |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 20.76              | 20.70               | 20.84               |                     |          |  |  |  |  |  |  |
| 5               | 64QAM      | 1       | 0         | 20.91              | 20.78               | 20.81               |                     |          |  |  |  |  |  |  |
| 5               | 64QAM      | 1       | 12        | 20.77              | 20.69               | 20.68               |                     |          |  |  |  |  |  |  |
| 5               | 64QAM      | 1       | 24        | 20.91              | 20.53               | 20.65               | 21                  | 3        |  |  |  |  |  |  |
| 5               | 64QAM      | 12      | 0         | 19.76              | 19.54               | 19.59               |                     |          |  |  |  |  |  |  |
| 5               | 64QAM      | 12      | 7         | 19.76              | 19.77               | 19.92               |                     |          |  |  |  |  |  |  |
| 5               | 64QAM      | 12      | 13        | 19.84              | 19.72               | 19.83               |                     |          |  |  |  |  |  |  |
| 5               | 64QAM      | 25      | 0         | 19.71              | 19.67               | 19.76               | 19                  | 5        |  |  |  |  |  |  |
| 5               | 256QAM     | 1       | 0         | 17.79              | 17.92               | 17.87               |                     |          |  |  |  |  |  |  |
| 5               | 256QAM     | 1       | 12        | 17.95              | 17.80               | 18.06               |                     |          |  |  |  |  |  |  |
| 5               | 256QAM     | 1       | 24        | 18.01              | 17.73               | 17.85               |                     |          |  |  |  |  |  |  |
| 5               | 256QAM     | 12      | 0         | 17.66              | 17.62               | 17.73               | 19                  | 5        |  |  |  |  |  |  |
| 5               | 256QAM     | 12      | 7         | 17.94              | 17.70               | 17.88               |                     |          |  |  |  |  |  |  |
| 5               | 256QAM     | 12      | 13        | 17.84              | 17.59               | 17.78               |                     |          |  |  |  |  |  |  |
| 5               | 256QAM     | 25      | 0         | 17.75              | 17.58               | 17.82               |                     |          |  |  |  |  |  |  |
| Channel         |            |         |           |                    |                     |                     |                     |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                    |                     |                     |                     |          |  |  |  |  |  |  |
| 3               | QPSK       | 1       | 0         | 22.61              | 22.87               | 22.75               | 24                  | 0        |  |  |  |  |  |  |
| 3               | QPSK       | 1       | 8         | 22.39              | 22.71               | 22.70               |                     |          |  |  |  |  |  |  |
| 3               | QPSK       | 8       | 0         | 21.84              | 21.90               | 21.80               |                     |          |  |  |  |  |  |  |
| 3               | QPSK       | 8       | 4         | 21.69              | 21.67               | 21.86               |                     |          |  |  |  |  |  |  |
| 3               | QPSK       | 8       | 7         | 21.85              | 21.70               | 21.86               | 23                  | 1        |  |  |  |  |  |  |
| 3               | QPSK       | 15      | 0         | 21.51              | 21.96               | 21.89               |                     |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 0         | 21.74              | 21.87               | 21.63               |                     |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 8         | 21.85              | 21.54               | 21.96               |                     |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 14        | 21.70              | 21.82               | 21.74               | 23                  | 1        |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 0         | 21.00              | 20.90               | 20.51               |                     |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 4         | 20.79              | 20.81               | 20.72               |                     |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 7         | 20.70              | 20.75               | 20.73               |                     |          |  |  |  |  |  |  |
| 3               | 16QAM      | 15      | 0         | 20.79              | 20.66               | 20.95               | 22                  | 2        |  |  |  |  |  |  |
| 3               | 64QAM      | 1       | 0         | 20.81              | 20.78               | 20.78               |                     |          |  |  |  |  |  |  |
| 3               | 64QAM      | 1       | 8         | 20.69              | 20.75               | 20.73               |                     |          |  |  |  |  |  |  |
| 3               | 64QAM      | 1       | 14        | 20.89              | 20.54               | 20.73               |                     |          |  |  |  |  |  |  |
| 3               | 64QAM      | 8       | 0         | 19.70              | 19.74               | 19.58               | 21                  | 3        |  |  |  |  |  |  |
| 3               | 64QAM      | 8       | 4         | 19.70              | 19.75               | 20.06               |                     |          |  |  |  |  |  |  |
| 3               | 64QAM      | 8       | 7         | 19.68              | 19.73               | 19.76               |                     |          |  |  |  |  |  |  |
| 3               | 64QAM      | 15      | 0         | 19.77              | 19.61               | 19.84               |                     |          |  |  |  |  |  |  |
| 3               | 256QAM     | 1       | 0         | 17.79              | 17.84               | 17.80               | 19                  | 5        |  |  |  |  |  |  |
| 3               | 256QAM     | 1       | 8         | 17.97              | 17.71               | 18.00               |                     |          |  |  |  |  |  |  |
| 3               | 256QAM     | 1       | 14        | 17.88              | 17.73               | 17.74               |                     |          |  |  |  |  |  |  |
| 3               | 256QAM     | 8       | 0         | 17.76              | 17.72               | 17.78               |                     |          |  |  |  |  |  |  |
| 3               | 256QAM     | 8       | 4         | 17.89              | 17.51               | 17.83               |                     |          |  |  |  |  |  |  |
| 3               | 256QAM     | 8       | 7         | 17.72              | 17.74               | 17.80               |                     |          |  |  |  |  |  |  |
| 3               | 256QAM     | 15      | 0         | 17.71              | 17.88               | 17.73               |                     |          |  |  |  |  |  |  |
| Channel         |            |         |           |                    |                     |                     |                     |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                    |                     |                     |                     |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.52              | 22.78               | 22.76               | 24                  | 0        |  |  |  |  |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.51              | 22.87               | 22.74               |                     |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 1       | 5         | 22.44              | 22.65               | 22.58               |                     |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 3       | 0         | 22.64              | 22.89               | 22.65               |                     |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 3       | 1         | 22.50              | 22.77               | 22.54               | 23                  | 1        |  |  |  |  |  |  |
| 1.4             | QPSK       | 3       | 3         | 22.59              | 22.72               | 22.84               |                     |          |  |  |  |  |  |  |
| 1.4             | QPSK       | 6       | 0         | 21.91              | 21.85               | 21.77               |                     |          |  |  |  |  |  |  |
| 1.4             | 16QAM      | 1       | 0         | 21.71              | 21.87               | 21.67               |                     |          |  |  |  |  |  |  |
| 1.4             | 16QAM      | 1       | 3         | 21.69              | 21.84               | 21.76               | 23                  | 1        |  |  |  |  |  |  |
| 1.4             | 16QAM      | 1       | 5         | 21.85              | 21.78               | 21.62               |                     |          |  |  |  |  |  |  |
| 1.4             | 16QAM      | 3       | 0         | 21.68              | 21.65               | 21.70               |                     |          |  |  |  |  |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.80              | 21.79               | 21.84               |                     |          |  |  |  |  |  |  |
| 1.4             | 16QAM      | 3       | 3         | 21.59              | 21.50               | 21.59               | 22                  | 2        |  |  |  |  |  |  |
| 1.4             | 16QAM      | 6       | 0         | 20.67              | 20.59               | 20.91               |                     |          |  |  |  |  |  |  |
| 1.4             | 64QAM      | 1       | 0         | 20.93              | 20.81               | 20.84               |                     |          |  |  |  |  |  |  |
| 1.4             | 64QAM      | 1       | 3         | 20.74              | 20.58               | 20.86               |                     |          |  |  |  |  |  |  |
| 1.4             | 64QAM      | 1       | 5         | 20.81              | 20.64               | 20.62               | 22                  | 2        |  |  |  |  |  |  |
| 1.4             | 64QAM      | 3       | 0         | 20.77              | 20.64               | 20.95               |                     |          |  |  |  |  |  |  |
| 1.4             | 64QAM      | 3       | 1         | 20.74              | 20.78               | 20.78               |                     |          |  |  |  |  |  |  |
| 1.4             | 64QAM      | 3       | 3         | 20.86              | 20.54               | 20.86               |                     |          |  |  |  |  |  |  |
| 1.4             | 64QAM      | 6       | 0         | 19.59              | 19.57               | 19.74               | 21                  | 3        |  |  |  |  |  |  |
| 1.4             | 256QAM     | 1       | 0         | 17.94              | 17.80               | 17.76               |                     |          |  |  |  |  |  |  |
| 1.4             | 256QAM     | 1       | 3         | 18.03              | 17.79               | 17.86               |                     |          |  |  |  |  |  |  |

| Band 2 Ant 1    |            |          |            |                     |                     |                     |                   |          |  |
|-----------------|------------|----------|------------|---------------------|---------------------|---------------------|-------------------|----------|--|
| BW (MHz)        | Modulation | RIS Size | RIS Offset | Power Low Ch./Freq. | Power Max Ch./Freq. | Power Hsp Ch./Freq. | Turn-on Time (ms) | MPR (dB) |  |
| Channel         |            |          |            |                     |                     |                     |                   |          |  |
| Frequency (MHz) |            |          |            |                     |                     |                     |                   |          |  |
| 20              | QPSK       | 1        | 0          | 22.25               | 22.46               | 22.29               |                   |          |  |
| 20              | QPSK       | 1        | 49         | 22.13               | 22.26               | 22.04               | 23.5              | 0        |  |
| 20              | QPSK       | 1        | 99         | 22.12               | 22.12               | 22.20               |                   |          |  |
| 20              | QPSK       | 50       | 0          | 21.66               | 21.61               | 21.66               |                   |          |  |
| 20              | QPSK       | 50       | 24         | 21.74               | 21.61               | 21.65               | 23                | 0.5      |  |
| 20              | QPSK       | 50       | 50         | 21.65               | 21.66               | 21.61               |                   |          |  |
| 20              | QPSK       | 100      | 0          | 21.73               | 21.73               | 21.74               |                   |          |  |
| 20              | 16QAM      | 1        | 0          | 21.68               | 21.65               | 21.65               |                   |          |  |
| 20              | 16QAM      | 1        | 99         | 21.61               | 21.64               | 21.64               | 23                | 0.5      |  |
| 20              | 16QAM      | 1        | 99         | 21.74               | 21.64               | 21.73               |                   |          |  |
| 20              | 16QAM      | 50       | 0          | 20.99               | 20.95               | 20.99               |                   |          |  |
| 20              | 16QAM      | 50       | 24         | 20.55               | 20.53               | 20.72               | 22                | 1.5      |  |
| 20              | 16QAM      | 50       | 50         | 20.61               | 20.60               | 20.54               |                   |          |  |
| 20              | 16QAM      | 100      | 0          | 20.51               | 20.54               | 20.59               |                   |          |  |
| 20              | 64QAM      | 1        | 0          | 20.49               | 20.69               | 20.52               |                   |          |  |
| 20              | 64QAM      | 1        | 49         | 20.63               | 20.55               | 20.77               | 22                | 1.5      |  |
| 20              | 64QAM      | 50       | 0          | 19.58               | 19.59               | 19.56               |                   |          |  |
| 20              | 64QAM      | 50       | 24         | 19.67               | 19.64               | 19.62               | 21                | 2.5      |  |
| 20              | 64QAM      | 50       | 50         | 19.67               | 19.64               | 19.72               |                   |          |  |
| 20              | 64QAM      | 100      | 0          | 19.61               | 19.62               | 19.56               |                   |          |  |
| 20              | 256QAM     | 1        | 49         | 17.58               | 17.51               | 17.51               | 19                | 4.5      |  |
| 20              | 256QAM     | 1        | 99         | 17.64               | 17.73               | 17.77               |                   |          |  |
| 20              | 256QAM     | 50       | 0          | 17.61               | 17.64               | 17.66               |                   |          |  |
| 20              | 256QAM     | 50       | 24         | 17.59               | 17.62               | 17.59               | 19                | 4.5      |  |
| 20              | 256QAM     | 50       | 50         | 17.60               | 17.66               | 17.67               |                   |          |  |
| 20              | 256QAM     | 100      | 0          | 17.67               | 17.67               | 17.65               |                   |          |  |
| Channel         |            |          |            |                     |                     |                     |                   |          |  |
| Frequency (MHz) |            |          |            |                     |                     |                     |                   |          |  |
| 15              | QPSK       | 1        | 0          | 22.21               | 22.28               | 22.20               | 23.5              | 0        |  |
| 15              | QPSK       | 1        | 99         | 22.09               | 22.14               | 21.83               |                   |          |  |
| 15              | QPSK       | 1        | 74         | 22.02               | 22.09               | 22.16               |                   |          |  |
| 15              | QPSK       | 36       | 0          | 21.68               | 21.67               | 21.49               |                   |          |  |
| 15              | QPSK       | 36       | 99         | 21.56               | 21.41               | 21.41               | 23                | 0.5      |  |
| 15              | QPSK       | 36       | 99         | 21.56               | 21.28               | 21.38               |                   |          |  |
| 15              | QPSK       | 75       | 0          | 21.62               | 21.67               | 21.73               |                   |          |  |
| 15              | 16QAM      | 1        | 99         | 21.59               | 21.60               | 21.58               | 23                | 0.5      |  |
| 15              | 16QAM      | 1        | 74         | 21.53               | 21.46               | 21.73               |                   |          |  |
| 15              | 16QAM      | 1        | 74         | 21.66               | 21.59               | 21.57               |                   |          |  |
| 15              | 16QAM      | 36       | 0          | 20.52               | 20.49               | 20.65               |                   |          |  |
| 15              | 16QAM      | 36       | 20         | 20.34               | 20.49               | 20.59               | 22                | 1.5      |  |
| 15              | 16QAM      | 36       | 50         | 20.54               | 20.49               | 20.54               |                   |          |  |
| 15              | 64QAM      | 1        | 0          | 20.33               | 20.49               | 20.39               | 22                | 1.5      |  |
| 15              | 64QAM      | 1        | 49         | 20.45               | 20.49               | 20.74               |                   |          |  |
| 15              | 64QAM      | 1        | 74         | 20.35               | 20.32               | 20.43               |                   |          |  |
| 15              | 64QAM      | 36       | 0          | 19.47               | 19.60               | 19.35               | 21                | 2.5      |  |
| 15              | 64QAM      | 36       | 20         | 19.68               | 19.44               | 19.49               |                   |          |  |
| 15              | 64QAM      | 36       | 50         | 19.45               | 19.55               | 19.72               |                   |          |  |
| 15              | 64QAM      | 36       | 99         | 19.61               | 19.64               | 19.65               |                   |          |  |
| 15              | 256QAM     | 1        | 37         | 17.42               | 17.43               | 17.53               | 19                | 4.5      |  |
| 15              | 256QAM     | 1        | 74         | 17.49               | 17.60               | 17.76               |                   |          |  |
| 15              | 256QAM     | 50       | 0          | 17.42               | 17.46               | 17.46               |                   |          |  |
| 15              | 256QAM     | 50       | 24         | 17.43               | 17.47               | 17.42               | 19                | 4.5      |  |
| 15              | 256QAM     | 50       | 50         | 17.46               | 17.58               | 17.37               |                   |          |  |
| 15              | 256QAM     | 100      | 0          | 17.46               | 17.45               | 17.42               |                   |          |  |
| Channel         |            |          |            |                     |                     |                     |                   |          |  |
| Frequency (MHz) |            |          |            |                     |                     |                     |                   |          |  |
| 10              | QPSK       | 1        | 0          | 18.85               | 18.90               | 18.95               | Turn-on Time (ms) | MPR (dB) |  |
| 10              | QPSK       | 1        | 0          | 22.21               | 22.32               | 22.28               |                   |          |  |
| 10              | QPSK       | 1        | 49         | 21.91               | 21.96               | 22.09               | 23.5              | 0        |  |
| 10              | QPSK       | 1        | 99         | 21.91               | 21.91               | 21.96               |                   |          |  |
| 10              | QPSK       | 25       | 24         | 21.74               | 21.64               | 21.47               |                   |          |  |
| 10              | QPSK       | 25       | 25         | 21.67               | 21.30               | 21.61               | 23                | 0.5      |  |
| 10              | 16QAM      | 1        | 0          | 21.49               | 21.45               | 21.59               |                   |          |  |
| 10              | 16QAM      | 1        | 25         | 21.45               | 21.51               | 21.53               | 23                | 0.5      |  |
| 10              | 16QAM      | 25       | 12         | 20.57               | 20.52               | 20.68               |                   |          |  |
| 10              | 16QAM      | 25       | 12         | 20.47               | 20.36               | 20.61               | 22                | 1.5      |  |
| 10              | 16QAM      | 25       | 12         | 20.58               | 20.42               | 20.45               |                   |          |  |
| 10              | 64QAM      | 1        | 0          | 20.39               | 20.69               | 20.47               | 22                | 1.5      |  |
| 10              | 64QAM      | 1        | 49         | 20.25               | 20.24               | 20.47               |                   |          |  |
| 10              | 64QAM      | 25       | 0          | 19.51               | 19.59               | 19.51               |                   |          |  |
| 10              | 64QAM      | 25       | 12         | 19.68               | 19.52               | 19.61               | 21                | 2.5      |  |
| 10              | 64QAM      | 25       | 25         | 19.49               | 19.44               | 19.45               |                   |          |  |
| 10              | 64QAM      | 50       | 0          | 19.38               | 19.36               | 19.40               |                   |          |  |
| 10              | 256QAM     | 1        | 25         | 17.42               | 17.63               | 17.42               | 19                | 4.5      |  |
| 10              | 256QAM     | 1        | 25         | 17.56               | 17.51               | 17.55               |                   |          |  |
| 10              | 256QAM     | 25       | 12         | 17.57               | 17.61               | 17.55               | 19                | 4.5      |  |
| 10              | 256QAM     | 25       | 25         | 17.58               | 17.57               | 17.49               |                   |          |  |
| 10              | 256QAM     | 50       | 0          | 17.53               | 17.58               | 17.50               |                   |          |  |
| Channel         |            |          |            |                     |                     |                     |                   |          |  |
| Frequency (MHz) |            |          |            |                     |                     |                     |                   |          |  |
| 5               | QPSK       | 1        | 0          | 22.16               | 22.25               | 22.10               | Turn-on Time (ms) | MPR (dB) |  |
| 5               | QPSK       | 1        | 12         | 21.99               | 22.05               | 21.85               | 23.5              | 0        |  |
| 5               | QPSK       | 1        | 14         | 21.95               | 21.69               | 21.87               |                   |          |  |
| 5               | QPSK       | 12       | 7          | 21.48               | 21.48               | 21.48               |                   |          |  |
| 5               | QPSK       | 12       | 7          | 21.65               | 21.52               | 21.44               | 23                | 0.5      |  |
| 5               | 16QAM      | 1        | 0          | 21.64               | 21.62               | 21.59               |                   |          |  |
| 5               | 16QAM      | 1        | 12         | 21.47               | 21.53               | 21.43               | 23                | 0.5      |  |
| 5               | 16QAM      | 12       | 7          | 20.53               | 20.47               | 20.58               |                   |          |  |
| 5               | 16QAM      | 12       | 13         | 20.43               | 20.43               | 20.41               |                   |          |  |
| 5               | 16QAM      | 25       | 0          | 20.60               | 20.48               | 20.52               |                   |          |  |
| 5               | 16QAM      | 25       | 0          | 20.45               | 20.64               | 20.45               | 22                | 1.5      |  |
| 5               | 16QAM      | 25       | 0          | 20.51               | 20.59               | 20.47               |                   |          |  |
| 5               | 64QAM      | 1        | 24         | 20.40               | 20.19               | 20.42               |                   |          |  |
| 5               | 64QAM      | 12       | 0          | 19.38               | 19.37               | 19.44               |                   |          |  |
| 5               | 64QAM      | 12       | 13         | 19.65               | 19.63               | 19.67               | 21                | 2.5      |  |
| 5               | 64QAM      | 12       | 13         | 19.60               | 19.62               | 19.60               |                   |          |  |
| 5               | 64QAM      | 25       | 0          | 19.31               | 19.43               | 19.42               |                   |          |  |
| 5               | 256QAM     | 1        | 12         | 17.34               | 17.71               | 17.55               | 19                | 4.5      |  |
| 5               | 256QAM     | 1        | 12         | 17.43               | 17.34               | 17.47               |                   |          |  |
| 5               | 256QAM     | 1        | 24         | 17.46               | 17.67               | 17.69               |                   |          |  |
| 5               | 256QAM     | 12       | 7          | 17.52               | 17.63               | 17.46               | 19                | 4.5      |  |
| 5               | 256QAM     | 12       | 13         | 17.46               | 17.46               | 17.41               |                   |          |  |
| 5               | 256QAM     | 25       | 0          | 17.54               | 17.49               | 17.45               |                   |          |  |
| Channel         |            |          |            |                     |                     |                     |                   |          |  |
| Frequency (MHz) |            |          |            |                     |                     |                     |                   |          |  |
| 3               | QPSK       | 1        | 0          | 22.25               | 22.29               | 22.13               | 23.5              | 0        |  |
| 3               | QPSK       | 1        | 8          | 22.00               | 22.06               | 22.07               |                   |          |  |
| 3               | QPSK       | 1        | 14         | 22.13               | 22.10               | 22.19               |                   |          |  |
| 3               | QPSK       | 8        | 4          | 21.59               | 21.64               | 21.42               | 23                | 0.5      |  |
| 3               | QPSK       | 8        | 7          | 21.68               | 21.45               | 21.37               |                   |          |  |
| 3               | QPSK       | 15       | 0          | 21.58               | 21.68               | 21.55               |                   |          |  |
| 3               | 16QAM      | 1        | 0          | 21.61               | 21.57               | 21.56               |                   |          |  |
| 3               | 16QAM      | 1        | 8          | 21.61               | 21.56               | 21.59               | 23                | 0.5      |  |
| 3               | 16QAM      | 1        | 15         | 21.52               | 21.44               | 21.63               |                   |          |  |
| 3               | 16QAM      | 8        | 0          | 20.69               | 20.67               | 20.66               |                   |          |  |
| 3               | 16QAM      | 8        | 4          | 20.48               | 20.51               | 20.44               | 22                | 1.5      |  |
| 3               | 16QAM      | 15       | 0          | 20.45               | 20.37               | 20.65               |                   |          |  |
| 3               | 16QAM      | 1        | 0          | 20.42               | 20.53               | 20.43               | 22                | 1.5      |  |
| 3               | 64QAM      | 1        | 8          | 20.37               | 20.53               | 20.73               |                   |          |  |
| 3               | 64QAM      | 1        | 14         | 20.30               | 20.26               | 20.29               |                   |          |  |
| 3               | 64QAM      | 8        | 0          | 19.60               | 19.57               | 19.41               |                   |          |  |
| 3               | 64QAM      | 8        | 4          | 19.66               | 19.68               | 19.71               | 21                | 2.5      |  |
| 3               | 64QAM      | 8        | 7          | 19.47               | 19.45               | 19.51               |                   |          |  |
| 3               | 256QAM     | 1        | 0          | 17.37               | 17.63               | 17.41               |                   |          |  |
| 3               | 256QAM     | 1        | 8          | 17.45               | 17.41               | 17.56               | 19                | 4.5      |  |
| 3               | 256QAM     | 1        | 14         | 17.43               | 17.73               | 17.75               |                   |          |  |
| 3               | 256QAM     | 8        | 0          | 17.65               | 17.51               | 17.51               |                   |          |  |
| 3               | 256QAM     | 8        | 4          | 17.39               | 17.49               | 17.55               | 19                | 4.5      |  |
| 3               | 256QAM     | 8        | 7          | 17.46               | 17.59               | 17.42               |                   |          |  |
| 3               | 256QAM     | 15       | 0          | 17.62               | 17.51               | 17.41               |                   |          |  |
| Channel         |            |          |            |                     |                     |                     |                   |          |  |
| Frequency (MHz) |            |          |            |                     |                     |                     |                   |          |  |
| 1.4             | QPSK       | 1        | 0          | 22.18               | 22.39               | 22.08               | 23.5              | 0        |  |
| 1.4             | QPSK       | 1        | 3          | 22.09               | 22.10               | 22.19               |                   |          |  |
| 1.4             | QPSK       | 1        | 14         | 22.13               | 22.12               | 22.19               |                   |          |  |
| 1.4             | QPSK       | 3        | 1          | 22.14               | 22.42               | 22.16               | 23                | 0.5      |  |
| 1.4             | QPSK       | 3        | 1          | 22.12               | 22.16               | 22.15               |                   |          |  |
| 1.4             | QPSK       | 3        | 3          | 22.12               | 22.18               | 22.19               |                   |          |  |
| 1.4             | QPSK       | 6        | 0          | 21.68               | 21.68               | 21.56               | 23                | 0.5      |  |
| 1.4             | 16QAM      | 1        | 0          | 21.45               | 21.49               | 21.59               |                   |          |  |
| 1.4             | 16QAM      | 1        | 3          | 21.61               | 21.61               | 21.63               |                   |          |  |
| 1.4             | 16QAM      | 1        | 14         | 21.42               | 21.47               | 21.54               | 23                | 0.5      |  |
| 1.4             | 16QAM      | 3        | 0          | 21.46               | 21.43               | 21.42               |                   |          |  |
| 1.4             | 16QAM      | 3        | 1          | 21.61               | 21.60               | 21.63               |                   |          |  |
| 1.4             | 16QAM      | 3        | 3          | 21.61               | 21.76               | 21.53               | 22                | 1.5      |  |
| 1.4             | 16QAM      | 6        | 0          | 20.77               | 20.54               | 20.43               |                   |          |  |
| 1.4             | 16QAM      | 6        | 3          | 20.58               | 20.42               | 20.53               |                   |          |  |
| 1.4             | 16QAM      | 1        | 3          | 20.55               | 20.54               | 20.77               |                   |          |  |
| 1.4             | 64QAM      | 1        | 5          | 20.63               | 20.41               | 20.37               | 22                | 1.5      |  |
| 1.4             | 64QAM      | 3        | 0          | 20.51               | 20.34               | 20.71               |                   |          |  |
| 1.4             | 256QAM     | 1        | 5          | 17.67               | 17.58               | 17.66               | 19                | 4.5      |  |
| 1.4             | 256QAM     | 3        | 0          | 17.71               | 17.62               | 17.59               |                   |          |  |
| 1.4             | 256QAM     | 3        | 1          | 17.66               | 17.67               | 17.66               |                   |          |  |
| 1.4             | 256QAM     | 3        | 3          | 17.31               | 17.27               | 17.49               | 19                | 4.5      |  |

| Band 38 Ant 1   |            |         |           |                          |                             |                           |                        |             |  |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |             |  |
| Channel         |            |         |           | 37650                    | 38000                       | 38150                     |                        |             |  |             |  |
| Frequency (MHz) |            |         |           | 2580                     | 2595                        | 2610                      |                        |             |  |             |  |
| 20              | QPSK       | 1       | 0         | 22.80                    | 23.08                       | 23.01                     | 24                     | 0           |  |             |  |
| 20              | QPSK       | 1       | 49        | 22.75                    | 22.92                       | 22.81                     |                        |             |  |             |  |
| 20              | QPSK       | 1       | 99        | 22.84                    | 22.71                       | 22.66                     | 23                     | 1           |  |             |  |
| 20              | QPSK       | 50      | 0         | 21.79                    | 22.07                       | 21.98                     |                        |             |  |             |  |
| 20              | QPSK       | 50      | 24        | 21.89                    | 21.95                       | 21.68                     | 23                     | 1           |  |             |  |
| 20              | QPSK       | 50      | 50        | 21.70                    | 21.67                       | 22.00                     |                        |             |  |             |  |
| 20              | QPSK       | 100     | 0         | 21.99                    | 22.12                       | 21.83                     | 22                     | 2           |  |             |  |
| 20              | 16QAM      | 1       | 0         | 21.75                    | 21.60                       | 21.91                     |                        |             |  |             |  |
| 20              | 16QAM      | 1       | 49        | 21.61                    | 21.98                       | 21.83                     | 23                     | 1           |  |             |  |
| 20              | 16QAM      | 1       | 99        | 21.89                    | 21.86                       | 21.59                     |                        |             |  |             |  |
| 20              | 16QAM      | 50      | 0         | 20.75                    | 20.71                       | 20.83                     | 22                     | 2           |  |             |  |
| 20              | 16QAM      | 50      | 24        | 20.85                    | 20.48                       | 20.79                     |                        |             |  |             |  |
| 20              | 16QAM      | 50      | 50        | 20.86                    | 20.50                       | 20.62                     | 22                     | 2           |  |             |  |
| 20              | 16QAM      | 100     | 0         | 20.45                    | 20.74                       | 20.50                     |                        |             |  |             |  |
| 20              | 64QAM      | 1       | 0         | 20.54                    | 20.55                       | 20.71                     | 22                     | 2           |  |             |  |
| 20              | 64QAM      | 1       | 49        | 20.52                    | 20.67                       | 20.65                     |                        |             |  |             |  |
| 20              | 64QAM      | 1       | 99        | 20.66                    | 20.58                       | 20.93                     | 21                     | 3           |  |             |  |
| 20              | 64QAM      | 50      | 0         | 19.66                    | 19.65                       | 19.84                     |                        |             |  |             |  |
| 20              | 64QAM      | 50      | 24        | 19.74                    | 19.81                       | 19.55                     | 21                     | 3           |  |             |  |
| 20              | 64QAM      | 50      | 50        | 19.71                    | 19.60                       | 19.97                     |                        |             |  |             |  |
| 20              | 64QAM      | 100     | 0         | 19.60                    | 19.76                       | 19.55                     | 19                     | 5           |  |             |  |
| 20              | 256QAM     | 1       | 0         | 17.81                    | 17.77                       | 17.65                     |                        |             |  |             |  |
| 20              | 256QAM     | 1       | 49        | 17.72                    | 17.71                       | 17.80                     | 19                     | 5           |  |             |  |
| 20              | 256QAM     | 1       | 99        | 17.58                    | 17.62                       | 17.61                     |                        |             |  |             |  |
| 20              | 256QAM     | 50      | 0         | 17.70                    | 17.83                       | 17.58                     | 19                     | 5           |  |             |  |
| 20              | 256QAM     | 50      | 24        | 17.92                    | 17.74                       | 17.76                     |                        |             |  |             |  |
| 20              | 256QAM     | 50      | 50        | 17.62                    | 17.68                       | 17.68                     | 20                     | 2           |  |             |  |
| 20              | 256QAM     | 100     | 0         | 17.71                    | 17.76                       | 17.93                     |                        |             |  |             |  |
| Channel         |            |         |           | 37625                    | 38000                       | 38175                     | Tune-up limit<br>(dBm) |             |  | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2577.5                   | 2595                        | 2612.5                    |                        |             |  |             |  |
| 15              | QPSK       | 1       | 0         | 22.97                    | 23.05                       | 23.00                     | 24                     | 0           |  |             |  |
| 15              | QPSK       | 1       | 37        | 22.79                    | 22.76                       | 22.86                     |                        |             |  |             |  |
| 15              | QPSK       | 1       | 74        | 22.65                    | 22.74                       | 22.74                     | 23                     | 1           |  |             |  |
| 15              | QPSK       | 36      | 0         | 21.87                    | 21.96                       | 21.94                     |                        |             |  |             |  |
| 15              | QPSK       | 36      | 20        | 21.95                    | 21.92                       | 21.85                     | 23                     | 1           |  |             |  |
| 15              | QPSK       | 36      | 39        | 21.77                    | 21.77                       | 21.96                     |                        |             |  |             |  |
| 15              | QPSK       | 75      | 0         | 21.82                    | 22.07                       | 21.89                     | 23                     | 1           |  |             |  |
| 15              | 16QAM      | 1       | 0         | 21.77                    | 21.99                       | 22.03                     |                        |             |  |             |  |
| 15              | 16QAM      | 1       | 37        | 21.62                    | 21.93                       | 22.00                     | 23                     | 1           |  |             |  |
| 15              | 16QAM      | 1       | 74        | 21.83                    | 21.83                       | 21.81                     |                        |             |  |             |  |
| 15              | 16QAM      | 36      | 0         | 20.59                    | 20.82                       | 20.74                     | 22                     | 2           |  |             |  |
| 15              | 16QAM      | 36      | 20        | 20.87                    | 20.35                       | 20.74                     |                        |             |  |             |  |
| 15              | 16QAM      | 36      | 39        | 20.80                    | 20.71                       | 20.75                     | 22                     | 2           |  |             |  |
| 15              | 16QAM      | 75      | 0         | 20.58                    | 20.87                       | 20.65                     |                        |             |  |             |  |
| 15              | 64QAM      | 1       | 0         | 20.45                    | 20.77                       | 20.49                     | 22                     | 2           |  |             |  |
| 15              | 64QAM      | 1       | 37        | 20.50                    | 20.78                       | 20.70                     |                        |             |  |             |  |
| 15              | 64QAM      | 1       | 74        | 20.65                    | 20.72                       | 20.90                     | 21                     | 3           |  |             |  |
| 15              | 64QAM      | 36      | 0         | 19.72                    | 19.74                       | 19.71                     |                        |             |  |             |  |
| 15              | 64QAM      | 36      | 20        | 19.89                    | 19.71                       | 19.64                     | 21                     | 3           |  |             |  |
| 15              | 64QAM      | 36      | 39        | 19.61                    | 19.53                       | 19.85                     |                        |             |  |             |  |
| 15              | 64QAM      | 75      | 0         | 19.74                    | 19.70                       | 19.70                     | 19                     | 5           |  |             |  |
| 15              | 256QAM     | 1       | 0         | 17.88                    | 17.78                       | 17.67                     |                        |             |  |             |  |
| 15              | 256QAM     | 1       | 37        | 17.82                    | 17.81                       | 17.73                     | 19                     | 5           |  |             |  |
| 15              | 256QAM     | 1       | 74        | 17.58                    | 17.76                       | 17.64                     |                        |             |  |             |  |
| 15              | 256QAM     | 36      | 0         | 17.61                    | 17.88                       | 17.63                     | 19                     | 5           |  |             |  |
| 15              | 256QAM     | 36      | 20        | 17.83                    | 17.90                       | 17.77                     |                        |             |  |             |  |
| 15              | 256QAM     | 36      | 39        | 17.61                    | 17.76                       | 17.54                     | 19                     | 5           |  |             |  |
| 15              | 256QAM     | 75      | 0         | 17.76                    | 17.71                       | 17.78                     |                        |             |  |             |  |
| Channel         |            |         |           | 37900                    | 38000                       | 38200                     | Tune-up limit<br>(dBm) |             |  | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2575                     | 2595                        | 2615                      |                        |             |  |             |  |
| 10              | QPSK       | 1       | 0         | 22.85                    | 23.02                       | 23.03                     | 24                     | 0           |  |             |  |
| 10              | QPSK       | 1       | 25        | 22.76                    | 22.72                       | 22.89                     |                        |             |  |             |  |
| 10              | QPSK       | 1       | 49        | 22.64                    | 22.77                       | 22.70                     | 23                     | 1           |  |             |  |
| 10              | QPSK       | 25      | 0         | 21.84                    | 22.07                       | 21.78                     |                        |             |  |             |  |
| 10              | QPSK       | 25      | 12        | 21.87                    | 21.90                       | 21.90                     | 23                     | 1           |  |             |  |
| 10              | QPSK       | 25      | 25        | 21.88                    | 21.63                       | 21.97                     |                        |             |  |             |  |
| 10              | QPSK       | 50      | 0         | 21.85                    | 22.11                       | 21.88                     | 23                     | 1           |  |             |  |
| 10              | 16QAM      | 1       | 0         | 21.80                    | 21.89                       | 21.92                     |                        |             |  |             |  |
| 10              | 16QAM      | 1       | 25        | 21.63                    | 21.98                       | 21.98                     | 23                     | 1           |  |             |  |
| 10              | 16QAM      | 1       | 49        | 21.96                    | 21.85                       | 21.71                     |                        |             |  |             |  |
| 10              | 16QAM      | 25      | 0         | 20.65                    | 20.68                       | 20.88                     | 22                     | 2           |  |             |  |
| 10              | 16QAM      | 25      | 12        | 20.71                    | 20.42                       | 20.70                     |                        |             |  |             |  |
| 10              | 16QAM      | 25      | 25        | 20.82                    | 20.47                       | 20.80                     | 22                     | 2           |  |             |  |
| 10              | 16QAM      | 50      | 0         | 20.66                    | 20.91                       | 20.57                     |                        |             |  |             |  |
| 10              | 64QAM      | 1       | 0         | 20.56                    | 20.59                       | 20.72                     | 22                     | 2           |  |             |  |
| 10              | 64QAM      | 1       | 25        | 20.56                    | 20.73                       | 20.68                     |                        |             |  |             |  |
| 10              | 64QAM      | 1       | 49        | 20.57                    | 20.59                       | 20.72                     | 21                     | 3           |  |             |  |
| 10              | 64QAM      | 25      | 0         | 19.82                    | 19.72                       | 19.77                     |                        |             |  |             |  |
| 10              | 64QAM      | 25      | 12        | 19.84                    | 19.63                       | 19.61                     | 21                     | 3           |  |             |  |
| 10              | 64QAM      | 25      | 25        | 19.69                    | 19.69                       | 19.95                     |                        |             |  |             |  |
| 10              | 64QAM      | 50      | 0         | 19.64                    | 19.61                       | 19.70                     | 19                     | 5           |  |             |  |
| 10              | 256QAM     | 1       | 0         | 17.82                    | 17.77                       | 17.62                     |                        |             |  |             |  |
| 10              | 256QAM     | 1       | 25        | 17.73                    | 17.89                       | 17.70                     | 19                     | 5           |  |             |  |
| 10              | 256QAM     | 1       | 49        | 17.51                    | 17.72                       | 17.71                     |                        |             |  |             |  |
| 10              | 256QAM     | 25      | 0         | 17.71                    | 17.94                       | 17.61                     | 19                     | 5           |  |             |  |
| 10              | 256QAM     | 25      | 12        | 17.99                    | 17.76                       | 17.73                     |                        |             |  |             |  |
| 10              | 256QAM     | 25      | 25        | 17.77                    | 17.75                       | 17.59                     | 19                     | 5           |  |             |  |
| 10              | 256QAM     | 50      | 0         | 17.65                    | 17.79                       | 17.89                     |                        |             |  |             |  |
| Channel         |            |         |           | 37775                    | 38000                       | 38225                     | Tune-up limit<br>(dBm) |             |  | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2572.5                   | 2595                        | 2617.5                    |                        |             |  |             |  |
| 5               | QPSK       | 1       | 0         | 22.78                    | 22.95                       | 22.96                     | 24                     | 0           |  |             |  |
| 5               | QPSK       | 1       | 12        | 22.90                    | 22.89                       | 22.82                     |                        |             |  |             |  |
| 5               | QPSK       | 1       | 24        | 22.68                    | 22.79                       | 22.84                     | 23                     | 1           |  |             |  |
| 5               | QPSK       | 12      | 0         | 21.83                    | 21.96                       | 21.83                     |                        |             |  |             |  |
| 5               | QPSK       | 12      | 7         | 21.90                    | 21.94                       | 21.93                     | 23                     | 1           |  |             |  |
| 5               | QPSK       | 12      | 13        | 21.89                    | 21.96                       | 21.97                     |                        |             |  |             |  |
| 5               | QPSK       | 25      | 0         | 21.77                    | 21.96                       | 21.83                     | 23                     | 1           |  |             |  |
| 5               | 16QAM      | 1       | 0         | 21.86                    | 21.98                       | 21.91                     |                        |             |  |             |  |
| 5               | 16QAM      | 1       | 12        | 21.80                    | 21.78                       | 22.04                     | 23                     | 1           |  |             |  |
| 5               | 16QAM      | 1       | 24        | 22.00                    | 21.80                       | 21.60                     |                        |             |  |             |  |
| 5               | 16QAM      | 12      | 0         | 20.72                    | 20.77                       | 20.72                     | 22                     | 2           |  |             |  |
| 5               | 16QAM      | 12      | 7         | 20.86                    | 20.58                       | 20.74                     |                        |             |  |             |  |
| 5               | 16QAM      | 12      | 13        | 20.81                    | 20.66                       | 20.73                     | 22                     | 2           |  |             |  |
| 5               | 16QAM      | 25      | 0         | 20.47                    | 20.75                       | 20.40                     |                        |             |  |             |  |
| 5               | 64QAM      | 1       | 0         | 20.64                    | 20.96                       | 20.52                     | 22                     | 2           |  |             |  |
| 5               | 64QAM      | 1       | 12        | 20.49                    | 20.62                       | 20.70                     |                        |             |  |             |  |
| 5               | 64QAM      | 1       | 24        | 20.59                    | 20.66                       | 20.91                     | 21                     | 3           |  |             |  |
| 5               | 64QAM      | 12      | 0         | 19.71                    | 19.74                       | 19.89                     |                        |             |  |             |  |
| 5               | 64QAM      | 12      | 7         | 19.92                    | 19.81                       | 19.75                     | 21                     | 3           |  |             |  |
| 5               | 64QAM      | 12      | 13        | 19.76                    | 19.55                       | 19.94                     |                        |             |  |             |  |
| 5               | 64QAM      | 25      | 0         | 19.59                    | 19.72                       | 19.66                     | 19                     | 5           |  |             |  |
| 5               | 256QAM     | 1       | 0         | 17.73                    | 17.84                       | 17.46                     |                        |             |  |             |  |
| 5               | 256QAM     | 1       | 12        | 17.73                    | 17.75                       | 17.85                     | 19                     | 5           |  |             |  |
| 5               | 256QAM     | 1       | 24        | 17.66                    | 17.71                       | 17.77                     |                        |             |  |             |  |
| 5               | 256QAM     | 12      | 0         | 17.65                    | 17.90                       | 17.65                     | 19                     | 5           |  |             |  |
| 5               | 256QAM     | 12      | 7         | 18.00                    | 17.94                       | 17.86                     |                        |             |  |             |  |
| 5               | 256QAM     | 12      | 13        | 17.66                    | 17.77                       | 17.63                     | 19                     | 5           |  |             |  |
| 5               | 256QAM     | 25      | 0         | 17.78                    | 17.75                       | 17.80                     |                        |             |  |             |  |

| Band 41 Ant 1   |            |         |           |                           |                                    |                             |                                     |                            |                        |             |
|-----------------|------------|---------|-----------|---------------------------|------------------------------------|-----------------------------|-------------------------------------|----------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch./Freq. | Power<br>Low<br>Midde<br>Ch./Freq. | Power<br>Midde<br>Ch./Freq. | Power<br>High<br>Midde<br>Ch./Freq. | Power<br>High<br>Ch./Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 39750                     | 40160                              | 40600                       | 41000                               | 41400                      |                        |             |
| Frequency (MHz) |            |         |           | 2526                      | 2549.5                             | 2591                        | 2635.5                              | 2680                       |                        |             |
| 20              | QPSK       | 1       | 0         | 23.06                     | 23.00                              | 23.11                       | 22.92                               | 23.08                      |                        |             |
| 20              | QPSK       | 1       | 49        | 22.55                     | 22.95                              | 22.73                       | 22.95                               | 22.82                      | 24                     | 0           |
| 20              | QPSK       | 1       | 99        | 22.70                     | 22.55                              | 22.75                       | 22.71                               | 22.69                      |                        |             |
| 20              | QPSK       | 50      | 0         | 21.60                     | 21.94                              | 22.00                       | 21.89                               | 21.91                      |                        |             |
| 20              | QPSK       | 50      | 24        | 21.86                     | 21.77                              | 21.81                       | 21.78                               | 21.77                      | 23                     | 1           |
| 20              | QPSK       | 50      | 50        | 21.44                     | 21.57                              | 21.80                       | 21.85                               | 21.92                      |                        |             |
| 20              | QPSK       | 100     | 0         | 21.60                     | 21.61                              | 21.79                       | 21.68                               | 21.68                      |                        |             |
| 20              | 16QAM      | 1       | 0         | 21.49                     | 21.65                              | 21.69                       | 21.61                               | 21.46                      |                        |             |
| 20              | 16QAM      | 1       | 49        | 21.55                     | 21.86                              | 21.48                       | 21.89                               | 21.59                      | 23                     | 1           |
| 20              | 16QAM      | 1       | 99        | 21.85                     | 21.76                              | 21.68                       | 21.61                               | 21.76                      |                        |             |
| 20              | 16QAM      | 1       | 49        | 20.53                     | 20.59                              | 20.59                       | 20.59                               | 20.60                      |                        |             |
| 20              | 16QAM      | 50      | 24        | 20.86                     | 20.75                              | 20.57                       | 20.51                               | 20.49                      | 22                     | 2           |
| 20              | 16QAM      | 50      | 50        | 20.73                     | 20.74                              | 20.71                       | 20.39                               | 20.77                      |                        |             |
| 20              | 16QAM      | 100     | 0         | 20.60                     | 20.56                              | 20.49                       | 20.62                               | 20.60                      |                        |             |
| 20              | 16QAM      | 1       | 0         | 20.38                     | 20.59                              | 20.59                       | 20.30                               | 20.57                      |                        |             |
| 20              | 16QAM      | 1       | 49        | 20.53                     | 20.51                              | 20.59                       | 20.59                               | 20.60                      | 22                     | 2           |
| 20              | 16QAM      | 1       | 99        | 20.63                     | 20.53                              | 20.84                       | 20.68                               | 20.71                      |                        |             |
| 20              | 16QAM      | 50      | 0         | 19.96                     | 19.94                              | 19.71                       | 19.71                               | 19.53                      |                        |             |
| 20              | 64QAM      | 50      | 24        | 19.60                     | 19.59                              | 19.84                       | 19.60                               | 19.64                      | 21                     | 3           |
| 20              | 64QAM      | 50      | 50        | 19.74                     | 19.29                              | 19.57                       | 19.49                               | 19.70                      |                        |             |
| 20              | 64QAM      | 100     | 0         | 19.81                     | 19.44                              | 19.37                       | 19.51                               | 19.61                      |                        |             |
| 20              | 16QAM      | 1       | 0         | 17.60                     | 17.81                              | 17.72                       | 17.53                               | 17.53                      |                        |             |
| 20              | 256QAM     | 1       | 49        | 17.58                     | 17.46                              | 17.74                       | 17.59                               | 17.88                      | 19                     | 5           |
| 20              | 256QAM     | 1       | 99        | 17.53                     | 17.61                              | 17.46                       | 17.59                               | 17.66                      |                        |             |
| 20              | 256QAM     | 50      | 0         | 17.67                     | 17.96                              | 17.63                       | 17.84                               | 17.66                      |                        |             |
| 20              | 256QAM     | 50      | 24        | 17.56                     | 17.60                              | 17.62                       | 17.88                               | 17.48                      | 19                     | 5           |
| 20              | 256QAM     | 50      | 50        | 17.65                     | 17.63                              | 17.64                       | 17.73                               | 17.53                      |                        |             |
| 20              | 256QAM     | 100     | 0         | 17.62                     | 17.95                              | 17.71                       | 17.94                               | 18.06                      |                        |             |
| Channel         |            |         |           | 39725                     | 40173                              | 40620                       | 41068                               | 41515                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2503.5                    | 2548.3                             | 2593                        | 2637.8                              | 2682.5                     |                        |             |
| 15              | QPSK       | 1       | 0         | 22.92                     | 22.83                              | 22.91                       | 22.84                               | 22.86                      |                        |             |
| 15              | QPSK       | 1       | 37        | 22.51                     | 22.93                              | 22.60                       | 22.92                               | 22.61                      | 24                     | 0           |
| 15              | QPSK       | 1       | 74        | 22.69                     | 22.47                              | 22.50                       | 22.71                               | 22.72                      |                        |             |
| 15              | QPSK       | 36      | 0         | 21.40                     | 21.92                              | 21.89                       | 21.58                               | 21.87                      |                        |             |
| 15              | QPSK       | 36      | 20        | 21.84                     | 21.71                              | 21.77                       | 21.73                               | 21.71                      | 23                     | 1           |
| 15              | QPSK       | 36      | 39        | 21.39                     | 21.64                              | 21.69                       | 21.68                               | 21.87                      |                        |             |
| 15              | QPSK       | 75      | 0         | 21.42                     | 21.54                              | 21.79                       | 21.59                               | 21.69                      |                        |             |
| 15              | 16QAM      | 1       | 0         | 21.34                     | 21.66                              | 21.68                       | 21.51                               | 21.37                      |                        |             |
| 15              | 16QAM      | 1       | 37        | 21.34                     | 21.73                              | 21.73                       | 21.78                               | 21.41                      | 23                     | 1           |
| 15              | 16QAM      | 1       | 74        | 21.86                     | 21.54                              | 21.61                       | 21.51                               | 21.70                      |                        |             |
| 15              | 16QAM      | 36      | 0         | 20.47                     | 20.45                              | 20.67                       | 20.56                               | 20.57                      |                        |             |
| 15              | 16QAM      | 36      | 20        | 20.58                     | 20.64                              | 20.57                       | 20.31                               | 20.49                      | 22                     | 2           |
| 15              | 16QAM      | 36      | 39        | 20.63                     | 20.54                              | 20.71                       | 20.28                               | 20.58                      |                        |             |
| 15              | 16QAM      | 75      | 0         | 20.39                     | 20.34                              | 20.39                       | 20.50                               | 20.67                      |                        |             |
| 15              | 16QAM      | 0       | 0         | 20.39                     | 20.58                              | 20.58                       | 20.28                               | 20.43                      |                        |             |
| 15              | 64QAM      | 1       | 37        | 20.32                     | 20.39                              | 20.69                       | 20.46                               | 20.42                      | 22                     | 2           |
| 15              | 64QAM      | 1       | 74        | 20.44                     | 20.31                              | 20.81                       | 20.62                               | 20.71                      |                        |             |
| 15              | 64QAM      | 36      | 0         | 19.50                     | 19.86                              | 19.55                       | 19.57                               | 19.47                      |                        |             |
| 15              | 64QAM      | 36      | 20        | 19.61                     | 19.61                              | 19.65                       | 19.57                               | 19.58                      | 21                     | 3           |
| 15              | 64QAM      | 36      | 39        | 19.62                     | 19.13                              | 19.39                       | 19.36                               | 19.37                      |                        |             |
| 15              | 64QAM      | 75      | 0         | 19.78                     | 19.27                              | 19.27                       | 19.40                               | 19.53                      |                        |             |
| 15              | 256QAM     | 1       | 0         | 17.43                     | 17.73                              | 17.67                       | 17.38                               | 17.34                      |                        |             |
| 15              | 256QAM     | 1       | 37        | 17.46                     | 17.32                              | 17.64                       | 17.41                               | 17.86                      | 19                     | 5           |
| 15              | 256QAM     | 1       | 74        | 17.35                     | 17.47                              | 17.25                       | 17.45                               | 17.45                      |                        |             |
| 15              | 256QAM     | 36      | 0         | 17.51                     | 17.66                              | 17.45                       | 17.59                               | 17.59                      |                        |             |
| 15              | 256QAM     | 36      | 20        | 17.51                     | 17.42                              | 17.60                       | 17.75                               | 17.37                      | 19                     | 5           |
| 15              | 256QAM     | 36      | 39        | 17.63                     | 17.57                              | 17.48                       | 17.72                               | 17.32                      |                        |             |
| 15              | 256QAM     | 75      | 0         | 17.62                     | 17.82                              | 17.67                       | 17.48                               | 18.05                      |                        |             |
| Channel         |            |         |           | 39700                     | 40160                              | 40620                       | 41080                               | 41540                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2501                      | 2547                               | 2593                        | 2637                                | 2686                       |                        |             |
| 10              | QPSK       | 1       | 0         | 22.67                     | 22.89                              | 22.69                       | 22.90                               | 22.90                      | 24                     | 0           |
| 10              | QPSK       | 1       | 25        | 22.49                     | 22.95                              | 22.56                       | 22.83                               | 22.77                      |                        |             |
| 10              | QPSK       | 1       | 49        | 22.70                     | 22.48                              | 22.68                       | 22.60                               | 22.56                      |                        |             |
| 10              | QPSK       | 25      | 0         | 21.50                     | 21.66                              | 21.93                       | 21.63                               | 21.72                      |                        |             |
| 10              | QPSK       | 25      | 12        | 21.77                     | 21.76                              | 21.63                       | 21.77                               | 21.75                      | 23                     | 1           |
| 10              | QPSK       | 25      | 25        | 21.32                     | 21.55                              | 21.79                       | 21.78                               | 21.74                      |                        |             |
| 10              | QPSK       | 50      | 0         | 21.46                     | 21.62                              | 21.62                       | 21.62                               | 21.51                      |                        |             |
| 10              | 16QAM      | 1       | 0         | 21.30                     | 21.45                              | 21.62                       | 21.54                               | 21.35                      |                        |             |
| 10              | 16QAM      | 1       | 25        | 21.52                     | 21.63                              | 21.39                       | 21.89                               | 21.38                      | 23                     | 1           |
| 10              | 16QAM      | 1       | 49        | 21.72                     | 21.74                              | 21.62                       | 21.60                               | 21.74                      |                        |             |
| 10              | 16QAM      | 25      | 0         | 20.53                     | 20.40                              | 20.84                       | 20.58                               | 20.60                      |                        |             |
| 10              | 16QAM      | 25      | 12        | 20.53                     | 20.69                              | 20.35                       | 20.59                               | 20.40                      | 22                     | 2           |
| 10              | 16QAM      | 25      | 25        | 20.72                     | 20.67                              | 20.59                       | 20.31                               | 20.61                      |                        |             |
| 10              | 16QAM      | 0       | 0         | 20.47                     | 20.45                              | 20.43                       | 20.44                               | 20.40                      |                        |             |
| 10              | 64QAM      | 1       | 0         | 20.35                     | 20.38                              | 20.48                       | 20.09                               | 20.43                      |                        |             |
| 10              | 64QAM      | 1       | 25        | 20.41                     | 20.41                              | 20.59                       | 20.34                               | 20.45                      | 22                     | 2           |
| 10              | 64QAM      | 1       | 49        | 20.42                     | 20.33                              | 20.81                       | 20.61                               | 20.56                      |                        |             |
| 10              | 64QAM      | 1       | 25        | 19.41                     | 19.83                              | 19.73                       | 19.64                               | 19.84                      |                        |             |
| 10              | 64QAM      | 25      | 12        | 19.52                     | 19.55                              | 19.74                       | 19.48                               | 19.58                      | 21                     | 3           |
| 10              | 64QAM      | 25      | 25        | 19.75                     | 19.13                              | 19.57                       | 19.41                               | 19.61                      |                        |             |
| 10              | 64QAM      | 50      | 0         | 19.75                     | 19.27                              | 19.16                       | 19.33                               | 19.59                      |                        |             |
| 10              | 256QAM     | 1       | 0         | 17.48                     | 17.69                              | 17.55                       | 17.35                               | 17.32                      |                        |             |
| 10              | 256QAM     | 1       | 25        | 17.37                     | 17.39                              | 17.61                       | 17.49                               | 17.68                      | 19                     | 5           |
| 10              | 256QAM     | 1       | 49        | 17.31                     | 17.54                              | 17.47                       | 17.52                               | 17.57                      |                        |             |
| 10              | 256QAM     | 25      | 0         | 17.53                     | 17.94                              | 17.61                       | 17.86                               | 17.51                      |                        |             |
| 10              | 256QAM     | 25      | 12        | 17.46                     | 17.44                              | 17.59                       | 17.87                               | 17.29                      | 19                     | 5           |
| 10              | 256QAM     | 25      | 25        | 17.59                     | 17.44                              | 17.53                       | 17.63                               | 17.36                      |                        |             |
| Channel         |            |         |           | 39715                     | 40173                              | 40620                       | 41080                               | 41540                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2498.5                    | 2545.8                             | 2593                        | 2640.30                             | 2687.5                     |                        |             |
| 5               | QPSK       | 1       | 0         | 22.89                     | 22.82                              | 23.03                       | 22.83                               | 22.89                      | 24                     | 0           |
| 5               | QPSK       | 1       | 12        | 22.54                     | 22.74                              | 22.69                       | 22.84                               | 22.76                      |                        |             |
| 5               | QPSK       | 1       | 24        | 22.60                     | 22.42                              | 22.61                       | 22.61                               | 22.59                      |                        |             |
| 5               | QPSK       | 12      | 0         | 21.54                     | 21.85                              | 21.88                       | 21.59                               | 21.77                      |                        |             |
| 5               | QPSK       | 12      | 7         | 21.71                     | 21.67                              | 21.82                       | 21.78                               | 21.80                      | 23                     | 1           |
| 5               | QPSK       | 25      | 0         | 21.54                     | 21.39                              | 21.65                       | 21.87                               | 21.71                      |                        |             |
| 5               | 16QAM      | 1       | 0         | 21.35                     | 21.67                              | 21.55                       | 21.55                               | 21.46                      |                        |             |
| 5               | 16QAM      | 1       | 12        | 21.41                     | 21.72                              | 21.47                       | 21.90                               | 21.52                      | 23                     | 1           |
| 5               | 16QAM      | 1       | 24        | 21.71                     | 21.74                              | 21.69                       | 21.59                               | 21.58                      |                        |             |
| 5               | 16QAM      | 12      | 0         | 20.53                     | 20.36                              | 20.70                       | 20.59                               | 20.64                      |                        |             |
| 5               | 16QAM      | 12      | 7         | 20.45                     | 20.63                              | 20.49                       | 20.36                               | 20.35                      | 22                     | 2           |
| 5               | 16QAM      | 12      | 13        | 20.62                     | 20.69                              | 20.68                       | 20.27                               | 20.65                      |                        |             |
| 5               | 16QAM      | 25      | 0         | 20.53                     | 20.53                              | 20.31                       | 20.45                               | 20.58                      |                        |             |
| 5               | 16QAM      | 0       | 0         | 20.25                     | 20.39                              | 20.39                       | 20.09                               | 20.42                      | 22                     | 2           |
| 5               | 64QAM      | 1       | 12        | 20.35                     | 20.48                              | 20.35                       | 20.44                               | 20.48                      |                        |             |
| 5               | 64QAM      | 1       | 24        | 20.64                     | 20.43                              | 20.83                       | 20.70                               | 20.69                      |                        |             |
| 5               | 64QAM      | 12      | 0         | 19.49                     | 19.87                              | 19.64                       | 19.71                               | 19.32                      |                        |             |
| 5               | 64QAM      | 12      | 7         | 19.53                     | 19.56                              | 19.73                       | 19.54                               | 19.48                      | 21                     | 3           |
| 5               | 64QAM      | 12      | 13        | 19.53                     | 19.27                              | 19.37                       | 19.39                               | 19.66                      |                        |             |
| 5               | 64QAM      | 25      | 0         | 19.75                     | 19.25                              | 19.27                       | 19.47                               | 19.58                      |                        |             |
| 5               | 256QAM     | 0       | 0         | 17.48                     | 17.65                              | 17.68                       | 17.32                               | 17.50                      |                        |             |
| 5               | 256QAM     | 1       | 12        | 17.52                     | 17.42                              | 17.72                       | 17.49                               | 17.82                      | 19                     | 5           |
| 5               | 256QAM     | 1       | 24        | 17.48                     | 17.39                              | 17.25                       | 17.52                               | 17.47                      |                        |             |
| 5               | 256QAM     | 12      | 0         | 17.69                     | 17.79                              | 17.42                       | 17.64                               | 17.52                      |                        |             |
| 5               | 256QAM     | 12      | 7         | 17.69                     | 17.43                              | 17.45                       | 17.68                               | 17.48                      | 19                     | 5           |
| 5               | 256QAM     | 12      | 13        | 17.61                     | 17.60                              | 17.63                       | 17.64                               | 17.42                      |                        |             |
| 5               | 256QAM     | 25      | 0         | 17.49                     | 17.74                              | 17.56                       | 17.49                               | 17.91                      |                        |             |

| Band 5 Ant 4    |            |         |           |                      |                         |                       |                     |          |  |  |
|-----------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Middle Ch / Freq. | Power High Ch / Freq. | Tune-up limit (dBm) | MPR (dB) |  |  |
| Channel         |            |         |           | 20450                | 20525                   | 20600                 |                     |          |  |  |
| Frequency (MHz) |            |         |           | 830                  | 836.5                   | 844                   |                     |          |  |  |
| 10              | QPSK       | 1       | 0         | 23.11                | 23.21                   | 23.05                 | 24                  | 0        |  |  |
| 10              | QPSK       | 1       | 25        | 22.99                | 22.96                   | 22.91                 |                     |          |  |  |
| 10              | QPSK       | 1       | 49        | 23.01                | 23.20                   | 22.94                 |                     |          |  |  |
| 10              | QPSK       | 25      | 0         | 22.11                | 22.19                   | 22.12                 | 23                  | 1        |  |  |
| 10              | QPSK       | 25      | 12        | 22.00                | 21.98                   | 21.79                 |                     |          |  |  |
| 10              | QPSK       | 25      | 25        | 22.05                | 22.07                   | 22.05                 |                     |          |  |  |
| 10              | QPSK       | 50      | 0         | 22.10                | 22.14                   | 22.10                 | 23                  | 1        |  |  |
| 10              | 16QAM      | 1       | 0         | 22.00                | 21.95                   | 21.92                 |                     |          |  |  |
| 10              | 16QAM      | 1       | 25        | 22.05                | 21.97                   | 21.95                 |                     |          |  |  |
| 10              | 16QAM      | 1       | 49        | 22.28                | 22.05                   | 22.14                 | 22                  | 2        |  |  |
| 10              | 16QAM      | 25      | 0         | 20.85                | 20.89                   | 20.72                 |                     |          |  |  |
| 10              | 16QAM      | 25      | 12        | 20.94                | 21.17                   | 20.91                 |                     |          |  |  |
| 10              | 16QAM      | 25      | 25        | 20.76                | 20.95                   | 20.76                 | 22                  | 2        |  |  |
| 10              | 16QAM      | 50      | 0         | 20.88                | 21.07                   | 20.85                 |                     |          |  |  |
| 10              | 64QAM      | 1       | 0         | 21.14                | 21.06                   | 20.83                 |                     |          |  |  |
| 10              | 64QAM      | 1       | 25        | 21.01                | 21.18                   | 20.98                 | 22                  | 2        |  |  |
| 10              | 64QAM      | 1       | 49        | 21.03                | 20.90                   | 20.98                 |                     |          |  |  |
| 10              | 64QAM      | 25      | 0         | 20.09                | 20.02                   | 19.92                 |                     |          |  |  |
| 10              | 64QAM      | 25      | 12        | 20.05                | 20.11                   | 19.75                 | 21                  | 3        |  |  |
| 10              | 64QAM      | 25      | 25        | 20.16                | 20.11                   | 19.93                 |                     |          |  |  |
| 10              | 64QAM      | 50      | 0         | 20.24                | 20.05                   | 20.15                 |                     |          |  |  |
| 10              | 256QAM     | 1       | 0         | 18.08                | 18.02                   | 18.16                 | 19                  | 5        |  |  |
| 10              | 256QAM     | 1       | 25        | 18.10                | 18.26                   | 18.07                 |                     |          |  |  |
| 10              | 256QAM     | 1       | 49        | 17.91                | 17.95                   | 18.03                 |                     |          |  |  |
| 10              | 256QAM     | 25      | 0         | 17.84                | 18.21                   | 18.02                 | 19                  | 5        |  |  |
| 10              | 256QAM     | 25      | 12        | 18.08                | 17.85                   | 17.84                 |                     |          |  |  |
| 10              | 256QAM     | 25      | 25        | 17.89                | 18.10                   | 18.04                 |                     |          |  |  |
| 10              | 256QAM     | 50      | 0         | 18.12                | 18.12                   | 17.95                 |                     |          |  |  |
| Channel         |            |         |           | 20425                | 20525                   | 20625                 | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 826.5                | 836.5                   | 846.5                 |                     |          |  |  |
| 5               | QPSK       | 1       | 0         | 23.05                | 23.00                   | 22.92                 | 24                  | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 22.88                | 22.96                   | 22.79                 |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 23.01                | 23.00                   | 22.83                 |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 22.10                | 22.10                   | 21.96                 | 23                  | 1        |  |  |
| 5               | QPSK       | 12      | 7         | 21.95                | 21.95                   | 21.83                 |                     |          |  |  |
| 5               | QPSK       | 12      | 13        | 21.88                | 21.89                   | 21.84                 |                     |          |  |  |
| 5               | QPSK       | 25      | 0         | 21.98                | 22.10                   | 21.95                 | 23                  | 1        |  |  |
| 5               | 16QAM      | 1       | 0         | 22.01                | 21.92                   | 21.73                 |                     |          |  |  |
| 5               | 16QAM      | 1       | 12        | 21.91                | 21.92                   | 21.92                 |                     |          |  |  |
| 5               | 16QAM      | 1       | 24        | 22.10                | 21.84                   | 22.10                 | 22                  | 2        |  |  |
| 5               | 16QAM      | 12      | 0         | 20.66                | 20.80                   | 20.64                 |                     |          |  |  |
| 5               | 16QAM      | 12      | 7         | 20.89                | 20.99                   | 20.90                 |                     |          |  |  |
| 5               | 16QAM      | 12      | 13        | 20.60                | 20.83                   | 20.71                 | 22                  | 2        |  |  |
| 5               | 16QAM      | 25      | 0         | 20.87                | 21.09                   | 20.67                 |                     |          |  |  |
| 5               | 64QAM      | 1       | 0         | 21.02                | 20.86                   | 20.78                 |                     |          |  |  |
| 5               | 64QAM      | 1       | 12        | 20.87                | 20.98                   | 21.00                 | 22                  | 2        |  |  |
| 5               | 64QAM      | 1       | 24        | 20.90                | 20.84                   | 20.81                 |                     |          |  |  |
| 5               | 64QAM      | 12      | 0         | 19.91                | 19.82                   | 19.78                 |                     |          |  |  |
| 5               | 64QAM      | 12      | 7         | 20.07                | 19.96                   | 19.77                 | 21                  | 3        |  |  |
| 5               | 64QAM      | 12      | 13        | 20.16                | 19.97                   | 19.81                 |                     |          |  |  |
| 5               | 64QAM      | 25      | 0         | 20.17                | 19.84                   | 20.00                 |                     |          |  |  |
| 5               | 256QAM     | 1       | 0         | 17.95                | 17.87                   | 18.15                 | 19                  | 5        |  |  |
| 5               | 256QAM     | 1       | 12        | 18.00                | 18.13                   | 17.94                 |                     |          |  |  |
| 5               | 256QAM     | 1       | 24        | 17.69                | 17.95                   | 17.83                 |                     |          |  |  |
| 5               | 256QAM     | 12      | 0         | 17.71                | 18.09                   | 18.01                 | 19                  | 5        |  |  |
| 5               | 256QAM     | 12      | 7         | 18.04                | 17.76                   | 17.77                 |                     |          |  |  |
| 5               | 256QAM     | 12      | 13        | 17.73                | 18.09                   | 17.96                 |                     |          |  |  |
| 5               | 256QAM     | 25      | 0         | 17.97                | 18.05                   | 17.92                 |                     |          |  |  |
| Channel         |            |         |           | 20415                | 20525                   | 20635                 | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 825.5                | 836.5                   | 847.5                 |                     |          |  |  |
| 3               | QPSK       | 1       | 0         | 22.93                | 23.11                   | 22.89                 | 24                  | 0        |  |  |
| 3               | QPSK       | 1       | 8         | 23.00                | 22.94                   | 22.77                 |                     |          |  |  |
| 3               | QPSK       | 1       | 14        | 22.79                | 23.15                   | 22.95                 |                     |          |  |  |
| 3               | QPSK       | 8       | 0         | 21.95                | 22.14                   | 22.11                 | 23                  | 1        |  |  |
| 3               | QPSK       | 8       | 4         | 21.84                | 21.86                   | 21.64                 |                     |          |  |  |
| 3               | QPSK       | 8       | 7         | 21.82                | 22.06                   | 21.94                 |                     |          |  |  |
| 3               | QPSK       | 15      | 0         | 22.11                | 21.96                   | 21.88                 | 23                  | 1        |  |  |
| 3               | 16QAM      | 1       | 0         | 21.89                | 21.95                   | 21.70                 |                     |          |  |  |
| 3               | 16QAM      | 1       | 8         | 21.90                | 21.75                   | 21.83                 |                     |          |  |  |
| 3               | 16QAM      | 1       | 14        | 22.12                | 21.99                   | 21.97                 | 22                  | 2        |  |  |
| 3               | 16QAM      | 8       | 0         | 20.71                | 20.78                   | 20.66                 |                     |          |  |  |
| 3               | 16QAM      | 8       | 4         | 20.77                | 21.07                   | 20.87                 |                     |          |  |  |
| 3               | 16QAM      | 8       | 7         | 20.70                | 20.93                   | 20.76                 | 22                  | 2        |  |  |
| 3               | 16QAM      | 15      | 0         | 20.84                | 20.86                   | 20.70                 |                     |          |  |  |
| 3               | 64QAM      | 1       | 0         | 20.97                | 20.87                   | 20.87                 |                     |          |  |  |
| 3               | 64QAM      | 1       | 8         | 20.84                | 20.96                   | 20.92                 | 22                  | 2        |  |  |
| 3               | 64QAM      | 1       | 14        | 20.97                | 20.90                   | 20.89                 |                     |          |  |  |
| 3               | 64QAM      | 8       | 0         | 19.94                | 19.83                   | 19.86                 |                     |          |  |  |
| 3               | 64QAM      | 8       | 4         | 19.90                | 19.99                   | 19.57                 | 21                  | 3        |  |  |
| 3               | 64QAM      | 8       | 7         | 19.94                | 20.06                   | 19.91                 |                     |          |  |  |
| 3               | 64QAM      | 15      | 0         | 20.10                | 19.96                   | 19.93                 |                     |          |  |  |
| 3               | 256QAM     | 1       | 0         | 18.08                | 17.84                   | 17.99                 | 19                  | 5        |  |  |
| 3               | 256QAM     | 1       | 8         | 18.05                | 18.05                   | 17.91                 |                     |          |  |  |
| 3               | 256QAM     | 1       | 14        | 17.91                | 17.84                   | 17.85                 |                     |          |  |  |
| 3               | 256QAM     | 8       | 0         | 17.69                | 18.12                   | 17.99                 | 19                  | 5        |  |  |
| 3               | 256QAM     | 8       | 4         | 17.90                | 17.82                   | 17.75                 |                     |          |  |  |
| 3               | 256QAM     | 8       | 7         | 17.80                | 18.09                   | 17.91                 |                     |          |  |  |
| 3               | 256QAM     | 15      | 0         | 18.12                | 17.94                   | 17.79                 |                     |          |  |  |
| Channel         |            |         |           | 20407                | 20525                   | 20643                 | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 824.7                | 836.5                   | 848.3                 |                     |          |  |  |
| 1.4             | QPSK       | 1       | 0         | 23.05                | 23.08                   | 22.94                 | 24                  | 0        |  |  |
| 1.4             | QPSK       | 1       | 3         | 23.00                | 22.90                   | 22.79                 |                     |          |  |  |
| 1.4             | QPSK       | 1       | 5         | 22.96                | 23.17                   | 22.95                 |                     |          |  |  |
| 1.4             | QPSK       | 3       | 0         | 23.00                | 23.19                   | 22.88                 | 23                  | 1        |  |  |
| 1.4             | QPSK       | 3       | 1         | 22.96                | 22.90                   | 22.79                 |                     |          |  |  |
| 1.4             | QPSK       | 3       | 3         | 22.95                | 23.16                   | 22.93                 |                     |          |  |  |
| 1.4             | QPSK       | 6       | 0         | 21.97                | 22.02                   | 22.07                 | 23                  | 1        |  |  |
| 1.4             | 16QAM      | 1       | 0         | 21.86                | 21.93                   | 21.74                 |                     |          |  |  |
| 1.4             | 16QAM      | 1       | 3         | 21.95                | 21.81                   | 21.78                 |                     |          |  |  |
| 1.4             | 16QAM      | 1       | 5         | 22.14                | 22.00                   | 22.05                 | 23                  | 1        |  |  |
| 1.4             | 16QAM      | 3       | 0         | 22.01                | 21.96                   | 22.09                 |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.97                | 21.97                   | 21.93                 |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 3         | 22.03                | 21.83                   | 21.85                 | 22                  | 2        |  |  |
| 1.4             | 16QAM      | 6       | 0         | 20.71                | 21.04                   | 20.73                 |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 0         | 21.15                | 20.97                   | 20.83                 |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 3         | 20.87                | 21.20                   | 20.87                 | 22                  | 2        |  |  |
| 1.4             | 64QAM      | 1       | 5         | 20.99                | 20.85                   | 20.97                 |                     |          |  |  |
| 1.4             | 64QAM      | 3       | 0         | 20.92                | 21.13                   | 20.73                 |                     |          |  |  |
| 1.4             | 64QAM      | 3       | 1         | 20.70                | 20.81                   | 20.70                 | 21                  | 3        |  |  |
| 1.4             | 64QAM      | 3       | 3         | 20.73                | 20.95                   | 20.79                 |                     |          |  |  |
| 1.4             | 64QAM      | 6       | 0         | 20.05                | 20.02                   | 20.06                 |                     |          |  |  |
| 1.4             | 256QAM     | 1       | 0         | 17.96                | 18.01                   | 18.06                 | 19                  | 5        |  |  |
| 1.4             | 256QAM     | 1       | 3         | 18.10                | 18.10                   | 17.94                 |                     |          |  |  |
| 1.4             | 256QAM     | 1       | 5         | 17.71                | 17.86                   | 18.02                 |                     |          |  |  |
| 1.4             | 256QAM     | 3       | 0         | 17.91                | 18.03                   | 17.98                 | 19                  | 5        |  |  |
| 1.4             | 256QAM     | 3       | 1         | 18.04                | 18.06                   | 17.89                 |                     |          |  |  |
| 1.4             | 256QAM     | 3       | 3         | 17.83                | 17.92                   | 18.02                 |                     |          |  |  |
| 1.4             | 256QAM     | 6       | 0         | 18.02                | 17.97                   | 17.88                 | 19                  | 5        |  |  |

## Reduced Power Mode for DS17\_Other Path

| Band 5 Ant 0    |            |         |           |                     |                        |                      |                     |          |  |  |  |  |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|--|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |
| Channel         |            |         |           |                     |                        |                      |                     |          |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |  |  |  |  |
| 10              | QPSK       | 1       | 0         | 22.73               | 22.93                  | 22.77                | 24                  | 0        |  |  |  |  |
| 10              | QPSK       | 1       | 25        | 22.49               | 22.72                  | 22.72                |                     |          |  |  |  |  |
| 10              | QPSK       | 1       | 49        | 22.73               | 22.77                  | 22.77                |                     |          |  |  |  |  |
| 10              | QPSK       | 25      | 0         | 21.89               | 21.94                  | 21.91                |                     |          |  |  |  |  |
| 10              | QPSK       | 25      | 12        | 21.85               | 21.76                  | 21.81                | 23                  | 1        |  |  |  |  |
| 10              | QPSK       | 25      | 25        | 21.86               | 21.85                  | 21.87                |                     |          |  |  |  |  |
| 10              | QPSK       | 50      | 0         | 21.72               | 21.98                  | 21.78                |                     |          |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 21.78               | 22.05                  | 21.83                |                     |          |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 21.84               | 21.75                  | 21.85                | 23                  | 1        |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 21.89               | 21.83                  | 21.91                |                     |          |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 21.01               | 20.88                  | 20.87                |                     |          |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 20.86               | 20.86                  | 20.88                |                     |          |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 20.90               | 20.76                  | 20.75                | 22                  | 2        |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 20.90               | 20.69                  | 21.02                |                     |          |  |  |  |  |
| 10              | 84QAM      | 1       | 0         | 20.94               | 20.93                  | 20.80                |                     |          |  |  |  |  |
| 10              | 84QAM      | 1       | 25        | 20.89               | 20.81                  | 20.89                |                     |          |  |  |  |  |
| 10              | 84QAM      | 1       | 49        | 20.93               | 20.71                  | 20.72                | 22                  | 2        |  |  |  |  |
| 10              | 84QAM      | 25      | 0         | 19.77               | 19.75                  | 19.83                |                     |          |  |  |  |  |
| 10              | 84QAM      | 25      | 12        | 19.79               | 19.77                  | 20.05                |                     |          |  |  |  |  |
| 10              | 84QAM      | 25      | 25        | 19.74               | 19.93                  | 19.81                |                     |          |  |  |  |  |
| 10              | 84QAM      | 50      | 0         | 19.75               | 19.68                  | 19.89                | 21                  | 3        |  |  |  |  |
| 10              | 256QAM     | 1       | 0         | 17.94               | 17.97                  | 17.85                |                     |          |  |  |  |  |
| 10              | 256QAM     | 1       | 25        | 18.01               | 17.91                  | 18.04                |                     |          |  |  |  |  |
| 10              | 256QAM     | 1       | 49        | 18.01               | 17.81                  | 17.95                |                     |          |  |  |  |  |
| 10              | 256QAM     | 25      | 0         | 17.75               | 17.82                  | 17.81                | 19                  | 5        |  |  |  |  |
| 10              | 256QAM     | 25      | 12        | 18.07               | 17.71                  | 17.87                |                     |          |  |  |  |  |
| 10              | 256QAM     | 25      | 25        | 17.85               | 17.73                  | 17.95                |                     |          |  |  |  |  |
| 10              | 256QAM     | 50      | 0         | 17.91               | 17.96                  | 17.93                |                     |          |  |  |  |  |
| Channel         |            |         |           |                     |                        |                      |                     |          |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 22.62               | 22.75                  | 22.65                | 24                  | 0        |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 22.45               | 22.64                  | 22.72                |                     |          |  |  |  |  |
| 5               | QPSK       | 1       | 24        | 22.71               | 22.65                  | 22.70                |                     |          |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 21.84               | 21.80                  | 21.74                |                     |          |  |  |  |  |
| 5               | QPSK       | 12      | 12        | 21.80               | 21.67                  | 21.82                | 23                  | 1        |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 21.80               | 21.69                  | 21.78                |                     |          |  |  |  |  |
| 5               | QPSK       | 25      | 0         | 21.54               | 21.86                  | 21.85                |                     |          |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 21.59               | 21.89                  | 21.84                |                     |          |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 21.84               | 21.60                  | 21.78                | 23                  | 1        |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 21.69               | 21.81                  | 21.76                |                     |          |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 20.87               | 20.68                  | 20.81                |                     |          |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 20.87               | 20.82                  | 20.89                |                     |          |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 20.88               | 20.75                  | 20.58                | 22                  | 2        |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 20.75               | 20.70                  | 20.84                |                     |          |  |  |  |  |
| 5               | 84QAM      | 1       | 0         | 20.91               | 20.78                  | 20.81                |                     |          |  |  |  |  |
| 5               | 84QAM      | 1       | 12        | 20.77               | 20.69                  | 20.68                |                     |          |  |  |  |  |
| 5               | 84QAM      | 1       | 24        | 20.91               | 20.53                  | 20.65                | 22                  | 2        |  |  |  |  |
| 5               | 84QAM      | 12      | 0         | 19.76               | 19.54                  | 19.59                |                     |          |  |  |  |  |
| 5               | 84QAM      | 12      | 7         | 19.78               | 19.77                  | 19.92                |                     |          |  |  |  |  |
| 5               | 84QAM      | 12      | 13        | 19.64               | 19.72                  | 19.83                |                     |          |  |  |  |  |
| 5               | 84QAM      | 25      | 0         | 19.71               | 19.67                  | 19.78                | 21                  | 3        |  |  |  |  |
| 5               | 256QAM     | 1       | 0         | 17.79               | 17.82                  | 17.87                |                     |          |  |  |  |  |
| 5               | 256QAM     | 1       | 12        | 17.95               | 17.80                  | 18.06                |                     |          |  |  |  |  |
| 5               | 256QAM     | 1       | 24        | 18.01               | 17.73                  | 17.85                |                     |          |  |  |  |  |
| 5               | 256QAM     | 12      | 0         | 17.66               | 17.62                  | 17.73                | 19                  | 5        |  |  |  |  |
| 5               | 256QAM     | 12      | 7         | 17.94               | 17.70                  | 17.88                |                     |          |  |  |  |  |
| 5               | 256QAM     | 12      | 13        | 17.84               | 17.59                  | 17.78                |                     |          |  |  |  |  |
| 5               | 256QAM     | 25      | 0         | 17.78               | 17.85                  | 17.82                |                     |          |  |  |  |  |
| Channel         |            |         |           |                     |                        |                      |                     |          |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |  |  |  |  |
| 3               | QPSK       | 1       | 0         | 22.61               | 22.87                  | 22.75                | 24                  | 0        |  |  |  |  |
| 3               | QPSK       | 1       | 8         | 22.39               | 22.71                  | 22.70                |                     |          |  |  |  |  |
| 3               | QPSK       | 1       | 14        | 22.53               | 22.57                  | 22.71                |                     |          |  |  |  |  |
| 3               | QPSK       | 8       | 0         | 21.84               | 21.90                  | 21.80                |                     |          |  |  |  |  |
| 3               | QPSK       | 8       | 4         | 21.68               | 21.87                  | 21.88                | 23                  | 1        |  |  |  |  |
| 3               | QPSK       | 8       | 7         | 21.85               | 21.70                  | 21.86                |                     |          |  |  |  |  |
| 3               | QPSK       | 15      | 0         | 21.51               | 21.96                  | 21.89                |                     |          |  |  |  |  |
| 3               | 16QAM      | 1       | 0         | 21.74               | 21.87                  | 21.83                |                     |          |  |  |  |  |
| 3               | 16QAM      | 1       | 8         | 21.86               | 21.54                  | 21.86                | 23                  | 1        |  |  |  |  |
| 3               | 16QAM      | 1       | 14        | 21.70               | 21.82                  | 21.74                |                     |          |  |  |  |  |
| 3               | 16QAM      | 8       | 0         | 21.00               | 20.90                  | 20.51                |                     |          |  |  |  |  |
| 3               | 16QAM      | 8       | 4         | 20.79               | 20.81                  | 20.72                |                     |          |  |  |  |  |
| 3               | 16QAM      | 8       | 7         | 20.76               | 20.75                  | 20.75                | 22                  | 2        |  |  |  |  |
| 3               | 16QAM      | 15      | 0         | 20.75               | 20.66                  | 20.95                |                     |          |  |  |  |  |
| 3               | 84QAM      | 1       | 0         | 20.81               | 20.78                  | 20.78                |                     |          |  |  |  |  |
| 3               | 84QAM      | 1       | 8         | 20.69               | 20.75                  | 20.73                |                     |          |  |  |  |  |
| 3               | 84QAM      | 1       | 14        | 20.95               | 20.54                  | 20.73                | 22                  | 2        |  |  |  |  |
| 3               | 84QAM      | 8       | 0         | 19.70               | 19.74                  | 19.58                |                     |          |  |  |  |  |
| 3               | 84QAM      | 8       | 4         | 19.70               | 19.75                  | 20.06                |                     |          |  |  |  |  |
| 3               | 84QAM      | 8       | 7         | 19.68               | 19.73                  | 19.76                |                     |          |  |  |  |  |
| 3               | 84QAM      | 15      | 0         | 19.77               | 19.61                  | 19.84                | 21                  | 3        |  |  |  |  |
| 3               | 256QAM     | 1       | 0         | 17.79               | 17.84                  | 17.80                |                     |          |  |  |  |  |
| 3               | 256QAM     | 1       | 8         | 17.97               | 17.71                  | 18.00                |                     |          |  |  |  |  |
| 3               | 256QAM     | 1       | 14        | 17.88               | 17.73                  | 17.74                |                     |          |  |  |  |  |
| 3               | 256QAM     | 8       | 0         | 17.76               | 17.72                  | 17.78                | 19                  | 5        |  |  |  |  |
| 3               | 256QAM     | 8       | 4         | 17.86               | 17.51                  | 17.83                |                     |          |  |  |  |  |
| 3               | 256QAM     | 8       | 7         | 17.72               | 17.74                  | 17.80                |                     |          |  |  |  |  |
| 3               | 256QAM     | 15      | 0         | 17.71               | 17.88                  | 17.73                |                     |          |  |  |  |  |
| Channel         |            |         |           |                     |                        |                      |                     |          |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |  |  |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.52               | 22.78                  | 22.76                | 24                  | 0        |  |  |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.51               | 22.87                  | 22.74                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 1       | 5         | 22.44               | 22.85                  | 22.58                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 3       | 0         | 22.64               | 22.89                  | 22.85                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 3       | 1         | 22.50               | 22.77                  | 22.54                | 23                  | 1        |  |  |  |  |
| 1.4             | QPSK       | 3       | 3         | 22.59               | 22.72                  | 22.84                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 6       | 0         | 21.91               | 21.85                  | 21.77                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 1       | 0         | 21.71               | 21.87                  | 21.67                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 1       | 3         | 21.68               | 21.84                  | 21.76                | 23                  | 1        |  |  |  |  |
| 1.4             | 16QAM      | 1       | 5         | 21.80               | 21.78                  | 21.82                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 3       | 0         | 21.66               | 21.85                  | 21.70                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.85               | 21.79                  | 21.84                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 3       | 2         | 21.58               | 21.50                  | 21.59                | 22                  | 2        |  |  |  |  |
| 1.4             | 16QAM      | 6       | 0         | 20.67               | 20.59                  | 20.91                |                     |          |  |  |  |  |
| 1.4             | 84QAM      | 1       | 0         | 20.63               | 20.81                  | 20.84                |                     |          |  |  |  |  |
| 1.4             | 84QAM      | 1       | 3         | 20.74               | 20.58                  | 20.86                |                     |          |  |  |  |  |
| 1.4             | 84QAM      | 1       | 5         | 20.81               | 20.64                  | 20.82                | 22                  | 2        |  |  |  |  |
| 1.4             | 84QAM      | 3       | 0         | 20.77               | 20.64                  | 20.95                |                     |          |  |  |  |  |
| 1.4             | 84QAM      | 3       | 1         | 20.74               | 20.78                  | 20.78                |                     |          |  |  |  |  |
| 1.4             | 84QAM      | 3       | 3         | 20.86               | 20.54                  | 20.86                |                     |          |  |  |  |  |
| 1.4             | 84QAM      | 6       | 0         | 19.59               | 19.57                  | 19.74                | 21                  | 3        |  |  |  |  |
| 1.4             | 256QAM     | 1       | 0         | 17.94               | 17.80                  | 17.76                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 1       | 3         | 18.03               | 17.79                  | 17.86                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 1       | 5         | 17.88               | 17.81                  | 17.93                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 3       | 0         | 17.70               | 17.70                  | 17.81                | 19                  | 5        |  |  |  |  |
| 1.4             | 256QAM     | 3       | 1         | 18.02               | 17.63                  | 17.92                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 3       | 3         | 17.70               | 17.63                  | 17.81                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 6       | 0         | 17.84               | 17.73                  | 17.69                |                     |          |  |  |  |  |
| Channel         |            |         |           |                     |                        |                      |                     |          |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |  |  |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.61               | 22.72                  | 22.62                | 24                  | 0        |  |  |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.64               | 22.82                  | 22.53                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 1       | 5         | 22.60               | 22.78                  | 22.52                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 3       | 0         | 22.61               | 22.91                  | 22.64                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 3       | 1         | 22.78               | 22.63                  | 22.50                | 23                  | 1        |  |  |  |  |
| 1.4             | QPSK       | 3       | 3         | 22.51               | 22.65                  | 22.59                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 6       | 0         | 21.53               | 21.65                  | 21.71                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 1       | 0         | 21.51               | 21.66                  | 21.69                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 1       | 3         | 21.61               | 21.80                  | 21.61                | 23                  | 1        |  |  |  |  |
| 1.4             | 16QAM      | 1       | 5         | 21.75               | 21.63                  | 21.61                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 3       | 0         | 21.50               | 21.50                  | 21.59                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.69               | 21.29                  | 21.45                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 3       | 3         | 21.49               | 21.61                  | 21.52                | 22                  | 2        |  |  |  |  |
| 1.4             | 16QAM      | 6       | 0         | 20.61               | 20.41                  | 20.76                |                     |          |  |  |  |  |
| 1.4             | 84QAM      | 1       | 0         | 20.98               | 20.83                  | 20.84                |                     |          |  |  |  |  |
| 1.4             | 84QAM      | 1       | 3         | 20.74               | 20.54                  | 20.89                |                     |          |  |  |  |  |
| 1.4             | 84QAM      | 1       | 5         | 20.85               | 20.63                  | 20.83                | 22                  | 2        |  |  |  |  |
| 1.4             | 84QAM      | 3       | 0         | 20.79               | 20.55                  | 20.85                |                     |          |  |  |  |  |
| 1.4             | 84QAM      | 3       | 3         | 20.63               | 20.59                  | 20.84                |                     |          |  |  |  |  |
| 1.4             | 84QAM      | 3       | 6         | 20.49               | 20.71                  | 20.80                |                     |          |  |  |  |  |
| 1.4             | 84QAM      | 6       | 0         | 19.85               | 19.69                  | 19.62                | 21                  | 3        |  |  |  |  |
| 1.4             | 256QAM     | 1       | 0         | 17.50               | 17.58                  | 17.59                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 1       | 3         | 17.40               | 17.59                  | 17.64                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 1       | 6         | 17.60               | 17.81                  | 17.68                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 3       | 0         | 17.60               | 17.54                  | 17.64                | 19                  | 5        |  |  |  |  |
| 1.4             | 256QAM     | 3       | 3         | 17.60               | 17.53                  | 17.76                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 3       | 6         | 17.61               | 17.51                  | 17.61                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 6       | 0         | 17.59               | 17.51                  | 17.67                |                     |          |  |  |  |  |
| Channel         |            |         |           |                     |                        |                      |                     |          |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |  |  |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.61               | 22.72                  | 22.62                | 24                  | 0        |  |  |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.64               | 22.82                  | 22.53                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 1       | 5         | 22.60               | 22.78                  | 22.52                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 3       | 0         | 22.61               | 22.91                  | 22.64                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 3       | 1         | 22.78               | 22.63                  | 22.50                | 23                  | 1        |  |  |  |  |
| 1.4             | QPSK       | 3       | 3         | 22.51               | 22.65                  | 22.59                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 6       | 0         | 21.53               | 21.65                  | 21.71                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 1       | 0         | 21.51               | 21.66                  | 21.69                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 1       | 3         | 21.61               | 21.80                  | 21.61                | 23                  | 1        |  |  |  |  |
| 1.4             | 16QAM      | 1       | 5         | 21.75               | 21.63                  | 21.61                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 3       | 0         | 21.50               | 21.50                  | 21.59                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.69               | 21.29                  | 21.45                |                     |          |  |  |  |  |
| 1.4             | 16QAM      | 3       | 3         | 21.49               | 21.61                  | 21.52                | 22                  | 2        |  |  |  |  |
| 1.4             | 16QAM      | 6       | 0         | 20.61               | 20.41                  | 20.76                |                     |          |  |  |  |  |
| 1.4             | 84QAM      | 1       | 0         | 20.98               | 20.83                  | 20.84                |                     |          |  |  |  |  |
| 1.4             | 84QAM      | 1       | 3         | 20.74               | 20.54                  | 20.89                |                     |          |  |  |  |  |
| 1.4             | 84QAM      | 1       | 5         | 20.85               | 20.63                  | 20.83                | 22                  | 2        |  |  |  |  |
| 1.4             | 84QAM      | 3       | 0         | 20.79               | 20.55                  | 20.85                |                     |          |  |  |  |  |
| 1.4             | 84QAM      | 3       | 3         | 20.63               | 20.59                  | 20.84                |                     |          |  |  |  |  |
| 1.4             | 84QAM      | 3       | 6         | 20.49               | 20.71                  | 20.80                |                     |          |  |  |  |  |
| 1.4             | 84QAM      | 6       | 0         | 19.85               | 19.69                  | 19.62                | 21                  | 3        |  |  |  |  |
| 1.4             | 256QAM     | 1       | 0         | 17.50               | 17.58                  | 17.59                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 1       | 3         | 17.40               | 17.59                  | 17.64                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 1       | 6         | 17.60               | 17.81                  | 17.68                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 3       | 0         | 17.60               | 17.54                  | 17.64                | 19                  | 5        |  |  |  |  |
| 1.4             | 256QAM     | 3       | 3         | 17.60               | 17.53                  | 17.76                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 3       | 6         | 17.61               | 17.51                  | 17.61                |                     |          |  |  |  |  |
| 1.4             | 256QAM     | 6       | 0         | 17.59               | 17.51                  | 17.67                |                     |          |  |  |  |  |
| Channel         |            |         |           |                     |                        |                      |                     |          |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |  |  |  |  |
| 1.4             | QPSK       | 1       | 0         | 22.61               | 22.72                  | 22.62                | 24                  | 0        |  |  |  |  |
| 1.4             | QPSK       | 1       | 3         | 22.64               | 22.82                  | 22.53                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 1       | 5         | 22.60               | 22.78                  | 22.52                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 3       | 0         | 22.61               | 22.91                  | 22.64                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 3       | 1         | 22.78               | 22.63                  | 22.50                | 23                  | 1        |  |  |  |  |
| 1.4             | QPSK       | 3       | 3         | 22.51               | 22.65                  | 22.59                |                     |          |  |  |  |  |
| 1.4             | QPSK       | 6       | 0         | 21                  |                        |                      |                     |          |  |  |  |  |

| Band 2 Ant 1    |            |         |           |                           |                           |                            |                          |             |      |     |   |  |  |
|-----------------|------------|---------|-----------|---------------------------|---------------------------|----------------------------|--------------------------|-------------|------|-----|---|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch./Freq. | Power<br>Max<br>Ch./Freq. | Power<br>High<br>Ch./Freq. | Turn-up<br>Time<br>(sec) | MPR<br>(dB) |      |     |   |  |  |
| Channel         |            |         |           |                           |                           |                            |                          |             |      |     |   |  |  |
| Frequency (MHz) |            |         |           |                           |                           |                            |                          |             |      |     |   |  |  |
| 20              | QPSK       | 1       | 0         | 20.28                     | 20.30                     | 20.29                      |                          |             | 21.5 | 0   |   |  |  |
| 20              | QPSK       | 1       | 49        | 20.19                     | 20.32                     | 20.28                      |                          |             |      |     |   |  |  |
| 20              | QPSK       | 1       | 99        | 20.24                     | 20.36                     | 20.29                      |                          |             | 21.5 | 0   |   |  |  |
| 20              | QPSK       | 50      | 0         | 20.24                     | 20.36                     | 20.24                      |                          |             |      |     |   |  |  |
| 20              | QPSK       | 50      | 24        | 20.27                     | 20.29                     | 20.29                      |                          |             | 21.5 | 0   |   |  |  |
| 20              | QPSK       | 100     | 0         | 20.27                     | 20.29                     | 20.21                      |                          |             |      |     |   |  |  |
| 20              | QPSK       | 100     | 24        | 20.28                     | 20.32                     | 20.29                      |                          |             | 21.5 | 0   |   |  |  |
| 20              | 16QAM      | 1       | 0         | 20.21                     | 20.33                     | 20.21                      |                          |             |      |     |   |  |  |
| 20              | 16QAM      | 1       | 49        | 20.25                     | 20.33                     | 20.22                      |                          |             | 21.5 | 0   |   |  |  |
| 20              | 16QAM      | 50      | 0         | 20.25                     | 20.34                     | 20.26                      |                          |             |      |     |   |  |  |
| 20              | 16QAM      | 50      | 24        | 20.28                     | 20.27                     | 20.26                      |                          |             | 21.5 | 0   |   |  |  |
| 20              | 16QAM      | 100     | 0         | 20.28                     | 20.34                     | 20.28                      |                          |             |      |     |   |  |  |
| 20              | 16QAM      | 100     | 24        | 20.29                     | 20.34                     | 20.26                      |                          |             | 21.5 | 0   |   |  |  |
| 20              | 64QAM      | 1       | 49        | 20.26                     | 20.24                     | 20.29                      |                          |             |      |     |   |  |  |
| 20              | 64QAM      | 1       | 99        | 20.22                     | 20.33                     | 20.18                      |                          |             | 19   | 2.5 |   |  |  |
| 20              | 64QAM      | 50      | 0         | 19.89                     | 19.79                     | 19.76                      |                          |             |      |     |   |  |  |
| 20              | 64QAM      | 50      | 24        | 19.67                     | 19.64                     | 19.82                      |                          |             | 21   | 0.5 |   |  |  |
| 20              | 64QAM      | 100     | 0         | 19.87                     | 19.82                     | 19.72                      |                          |             |      |     |   |  |  |
| 20              | 256QAM     | 1       | 0         | 17.52                     | 17.71                     | 17.77                      |                          |             | 19   | 2.5 |   |  |  |
| 20              | 256QAM     | 1       | 49        | 17.58                     | 17.64                     | 17.68                      |                          |             |      |     |   |  |  |
| 20              | 256QAM     | 1       | 99        | 17.64                     | 17.73                     | 17.77                      |                          |             | 19   | 2.5 |   |  |  |
| 20              | 256QAM     | 50      | 0         | 17.60                     | 17.66                     | 17.67                      |                          |             |      |     |   |  |  |
| 20              | 256QAM     | 50      | 24        | 17.60                     | 17.67                     | 17.69                      |                          |             |      |     |   |  |  |
| Channel         |            |         |           |                           |                           |                            |                          |             |      |     |   |  |  |
| Frequency (MHz) |            |         |           |                           |                           |                            |                          |             |      |     |   |  |  |
| 15              | QPSK       | 1       | 0         | 20.22                     | 20.23                     | 20.25                      |                          |             | 21.5 | 0   |   |  |  |
| 15              | QPSK       | 1       | 49        | 20.13                     | 20.29                     | 20.25                      |                          |             |      |     |   |  |  |
| 15              | QPSK       | 1       | 74        | 20.18                     | 20.17                     | 20.14                      |                          |             | 21.5 | 0   |   |  |  |
| 15              | QPSK       | 36      | 0         | 20.12                     | 20.28                     | 20.25                      |                          |             |      |     |   |  |  |
| 15              | QPSK       | 36      | 24        | 20.28                     | 20.27                     | 20.20                      |                          |             | 21.5 | 0   |   |  |  |
| 15              | QPSK       | 36      | 99        | 20.28                     | 20.27                     | 20.20                      |                          |             |      |     |   |  |  |
| 15              | QPSK       | 75      | 0         | 20.25                     | 20.17                     | 20.18                      |                          |             | 21.5 | 0   |   |  |  |
| 15              | QPSK       | 75      | 49        | 20.18                     | 20.21                     | 20.23                      |                          |             |      |     |   |  |  |
| 15              | 16QAM      | 1       | 37        | 20.17                     | 20.26                     | 20.25                      |                          |             | 21.5 | 0   |   |  |  |
| 15              | 16QAM      | 1       | 99        | 20.21                     | 20.27                     | 20.25                      |                          |             |      |     |   |  |  |
| 15              | 16QAM      | 36      | 0         | 20.13                     | 20.26                     | 20.14                      |                          |             | 21.5 | 0   |   |  |  |
| 15              | 16QAM      | 36      | 20        | 20.22                     | 20.22                     | 20.19                      |                          |             |      |     |   |  |  |
| 15              | 16QAM      | 36      | 99        | 20.22                     | 20.22                     | 20.19                      |                          |             | 21.5 | 0   |   |  |  |
| 15              | 16QAM      | 75      | 0         | 20.25                     | 20.18                     | 20.26                      |                          |             |      |     |   |  |  |
| 15              | 64QAM      | 1       | 0         | 20.22                     | 20.22                     | 20.21                      |                          |             | 21.5 | 0   |   |  |  |
| 15              | 64QAM      | 1       | 99        | 20.22                     | 20.22                     | 20.21                      |                          |             |      |     |   |  |  |
| 15              | 64QAM      | 1       | 74        | 20.20                     | 20.21                     | 20.22                      |                          |             | 21   | 0.5 |   |  |  |
| 15              | 64QAM      | 36      | 0         | 19.47                     | 19.89                     | 19.35                      |                          |             |      |     |   |  |  |
| 15              | 64QAM      | 36      | 24        | 19.84                     | 19.84                     | 19.84                      |                          |             | 21   | 0.5 |   |  |  |
| 15              | 64QAM      | 36      | 99        | 19.45                     | 19.55                     | 19.72                      |                          |             |      |     |   |  |  |
| 15              | 64QAM      | 75      | 0         | 19.81                     | 19.84                     | 19.85                      |                          |             | 19   | 2.5 |   |  |  |
| 15              | 256QAM     | 1       | 37        | 17.42                     | 17.43                     | 17.53                      |                          |             |      |     |   |  |  |
| 15              | 256QAM     | 1       | 99        | 17.42                     | 17.59                     | 17.53                      |                          |             | 19   | 2.5 |   |  |  |
| 15              | 256QAM     | 1       | 74        | 17.49                     | 17.60                     | 17.76                      |                          |             |      |     |   |  |  |
| 15              | 256QAM     | 36      | 0         | 17.42                     | 17.46                     | 17.56                      |                          |             | 19   | 2.5 |   |  |  |
| 15              | 256QAM     | 36      | 20        | 17.43                     | 17.67                     | 17.42                      |                          |             |      |     |   |  |  |
| 15              | 256QAM     | 36      | 99        | 17.46                     | 17.58                     | 17.37                      |                          |             |      |     |   |  |  |
| Channel         |            |         |           |                           |                           |                            |                          |             |      |     |   |  |  |
| Frequency (MHz) |            |         |           |                           |                           |                            |                          |             |      |     |   |  |  |
| 10              | QPSK       | 1       | 0         | 20.18                     | 20.25                     | 20.23                      |                          |             | 21.5 |     | 0 |  |  |
| 10              | QPSK       | 1       | 25        | 20.18                     | 20.25                     | 20.23                      |                          |             |      |     |   |  |  |
| 10              | QPSK       | 1       | 49        | 20.20                     | 20.21                     | 20.15                      |                          |             | 21.5 | 0   |   |  |  |
| 10              | QPSK       | 12      | 0         | 20.23                     | 20.26                     | 20.20                      |                          |             |      |     |   |  |  |
| 10              | QPSK       | 12      | 12        | 20.18                     | 20.21                     | 20.23                      |                          |             | 21.5 | 0   |   |  |  |
| 10              | QPSK       | 12      | 25        | 20.20                     | 20.18                     | 20.13                      |                          |             |      |     |   |  |  |
| 10              | 16QAM      | 1       | 0         | 20.12                     | 20.16                     | 20.14                      |                          |             | 21.5 | 0   |   |  |  |
| 10              | 16QAM      | 1       | 25        | 20.22                     | 20.27                     | 20.23                      |                          |             |      |     |   |  |  |
| 10              | 16QAM      | 12      | 0         | 20.15                     | 20.25                     | 20.19                      |                          |             | 21.5 | 0   |   |  |  |
| 10              | 16QAM      | 12      | 12        | 20.17                     | 20.15                     | 20.19                      |                          |             |      |     |   |  |  |
| 10              | 16QAM      | 25      | 12        | 20.15                     | 20.24                     | 20.23                      |                          |             | 21.5 | 0   |   |  |  |
| 10              | 16QAM      | 25      | 25        | 20.15                     | 20.25                     | 20.20                      |                          |             |      |     |   |  |  |
| 10              | 16QAM      | 50      | 0         | 20.19                     | 20.27                     | 20.15                      |                          |             | 21.5 | 0   |   |  |  |
| 10              | 16QAM      | 50      | 25        | 20.17                     | 20.17                     | 20.23                      |                          |             |      |     |   |  |  |
| 10              | 64QAM      | 1       | 0         | 20.17                     | 20.27                     | 20.23                      |                          |             | 21.5 | 0   |   |  |  |
| 10              | 64QAM      | 1       | 49        | 20.25                     | 20.21                     | 20.25                      |                          |             |      |     |   |  |  |
| 10              | 64QAM      | 1       | 49        | 20.25                     | 20.15                     | 20.17                      |                          |             | 21   | 0.5 |   |  |  |
| 10              | 64QAM      | 25      | 0         | 19.51                     | 19.59                     | 19.51                      |                          |             |      |     |   |  |  |
| 10              | 64QAM      | 25      | 12        | 19.68                     | 19.62                     | 19.61                      |                          |             | 21   | 0.5 |   |  |  |
| 10              | 64QAM      | 25      | 25        | 19.49                     | 19.44                     | 19.62                      |                          |             |      |     |   |  |  |
| 10              | 64QAM      | 50      | 0         | 19.58                     | 19.58                     | 19.40                      |                          |             | 19   | 2.3 |   |  |  |
| 10              | 256QAM     | 1       | 12        | 17.63                     | 17.63                     | 17.63                      |                          |             |      |     |   |  |  |
| 10              | 256QAM     | 1       | 25        | 17.46                     | 17.51                     | 17.57                      |                          |             | 19   | 2.5 |   |  |  |
| 10              | 256QAM     | 1       | 49        | 17.46                     | 17.52                     | 17.60                      |                          |             |      |     |   |  |  |
| 10              | 256QAM     | 12      | 0         | 17.46                     | 17.52                     | 17.63                      |                          |             | 19   | 2.5 |   |  |  |
| 10              | 256QAM     | 12      | 12        | 17.57                     | 17.59                     | 17.55                      |                          |             |      |     |   |  |  |
| 10              | 256QAM     | 25      | 12        | 17.58                     | 17.61                     | 17.56                      |                          |             | 19   | 2.5 |   |  |  |
| 10              | 256QAM     | 25      | 25        | 17.58                     | 17.57                     | 17.55                      |                          |             |      |     |   |  |  |
| 10              | 256QAM     | 50      | 12        | 17.58                     | 17.58                     | 17.50                      |                          |             |      |     |   |  |  |
| Channel         |            |         |           |                           |                           |                            |                          |             |      |     |   |  |  |
| Frequency (MHz) |            |         |           |                           |                           |                            |                          |             |      |     |   |  |  |
| 5               | QPSK       | 1       | 0         | 20.15                     | 20.18                     | 20.15                      |                          |             | 21.5 | 0   |   |  |  |
| 5               | QPSK       | 1       | 12        | 20.12                     | 20.26                     | 20.18                      |                          |             |      |     |   |  |  |
| 5               | QPSK       | 1       | 24        | 20.14                     | 20.24                     | 20.17                      |                          |             | 21.5 | 0   |   |  |  |
| 5               | QPSK       | 12      | 0         | 20.23                     | 20.26                     | 20.24                      |                          |             |      |     |   |  |  |
| 5               | QPSK       | 12      | 12        | 20.18                     | 20.21                     | 20.23                      |                          |             | 21.5 | 0   |   |  |  |
| 5               | QPSK       | 12      | 24        | 20.25                     | 20.26                     | 20.24                      |                          |             |      |     |   |  |  |
| 5               | 16QAM      | 1       | 0         | 20.24                     | 20.20                     | 20.19                      |                          |             | 21.5 | 0   |   |  |  |
| 5               | 16QAM      | 1       | 12        | 20.21                     | 20.15                     | 20.23                      |                          |             |      |     |   |  |  |
| 5               | 16QAM      | 12      | 0         | 20.25                     | 20.18                     | 20.22                      |                          |             | 21.5 | 0   |   |  |  |
| 5               | 16QAM      | 12      | 12        | 20.14                     | 20.22                     | 20.23                      |                          |             |      |     |   |  |  |
| 5               | 16QAM      | 12      | 24        | 20.20                     | 20.22                     | 20.19                      |                          |             | 21.5 | 0   |   |  |  |
| 5               | 16QAM      | 25      | 0         | 20.18                     | 20.21                     | 20.20                      |                          |             |      |     |   |  |  |
| 5               | 64QAM      | 1       | 0         | 20.14                     | 20.22                     | 20.23                      |                          |             | 21.5 | 0   |   |  |  |
| 5               | 64QAM      | 1       | 12        | 20.18                     | 20.28                     | 20.19                      |                          |             |      |     |   |  |  |
| 5               | 64QAM      | 1       | 24        | 20.18                     | 20.18                     | 20.15                      |                          |             | 21   | 0.5 |   |  |  |
| 5               | 64QAM      | 12      | 0         | 19.58                     | 19.70                     | 19.44                      |                          |             |      |     |   |  |  |
| 5               | 64QAM      | 12      | 12        | 19.65                     | 19.63                     | 19.67                      |                          |             | 21   | 0.5 |   |  |  |
| 5               | 64QAM      | 12      | 24        | 19.60                     | 19.62                     | 19.60                      |                          |             |      |     |   |  |  |
| 5               | 64QAM      | 25      | 0         | 19.51                     | 19.43                     | 19.42                      |                          |             | 19   | 2.3 |   |  |  |
| 5               | 256QAM     | 1       | 12        | 17.34                     | 17.71                     | 17.55                      |                          |             |      |     |   |  |  |
| 5               | 256QAM     | 1       | 12        | 17.43                     | 17.64                     | 17.47                      |                          |             | 19   | 2.5 |   |  |  |
| 5               | 256QAM     | 1       | 24        | 17.46                     | 17.67                     | 17.68                      |                          |             |      |     |   |  |  |
| 5               | 256QAM     | 12      | 0         | 17.52                     | 17.61                     | 17.46                      |                          |             | 19   | 2.5 |   |  |  |
| 5               | 256QAM     | 12      | 12        | 17.46                     | 17.48                     | 17.41                      |                          |             |      |     |   |  |  |
| 5               | 256QAM     | 12      | 24        | 17.54                     | 17.49                     | 17.48                      |                          |             |      |     |   |  |  |
| Channel         |            |         |           |                           |                           |                            |                          |             |      |     |   |  |  |
| Frequency (MHz) |            |         |           |                           |                           |                            |                          |             |      |     |   |  |  |
| 3               | QPSK       | 1       | 0         | 20.20                     | 20.15                     | 20.24                      |                          |             | 21.5 | 0   |   |  |  |
| 3               | QPSK       | 1       | 8         | 20.22                     | 20.26                     | 20.24                      |                          |             |      |     |   |  |  |
| 3               | QPSK       | 1       | 14        | 20.14                     | 20.24                     | 20.21                      |                          |             | 21.5 | 0   |   |  |  |
| 3               | QPSK       | 8       | 0         | 20.21                     | 20.25                     | 20.24                      |                          |             |      |     |   |  |  |
| 3               | QPSK       | 8       | 4         | 20.17                     | 20.26                     | 20.14                      |                          |             | 21.5 | 0   |   |  |  |
| 3               | QPSK       | 8       | 7         | 20.23                     | 20.26                     | 20.15                      |                          |             |      |     |   |  |  |
| 3               | 16QAM      | 1       | 0         | 20.15                     | 20.18                     | 20.21                      |                          |             | 21.5 | 0   |   |  |  |
| 3               | 16QAM      | 1       | 8         | 20.24                     | 20.24                     | 20.17                      |                          |             |      |     |   |  |  |
| 3               | 16QAM      | 1       | 14        | 20.16                     | 20.22                     | 20.18                      |                          |             | 21.5 | 0   |   |  |  |
| 3               | 16QAM      | 8       | 0         | 20.17                     | 20.22                     | 20.18                      |                          |             |      |     |   |  |  |
| 3               | 16QAM      | 8       | 4         | 20.23                     | 20.26                     | 20.22                      |                          |             | 21.5 | 0   |   |  |  |
| 3               | 16QAM      | 8       | 7         | 20.23                     | 20.28                     | 20.21                      |                          |             |      |     |   |  |  |
| 3               | 16QAM      | 16      | 0         | 20.24                     | 20.22                     | 20.15                      |                          |             | 21.5 | 0   |   |  |  |
| 3               | 16QAM      | 16      | 8         | 20.24                     | 20.22                     | 20.15                      |                          |             |      |     |   |  |  |
| 3               | 16QAM      | 16      | 14        | 20.24                     | 20.25                     | 20.14                      |                          |             | 21.5 | 0   |   |  |  |
| 3               | 16QAM      | 32      | 0         | 20.17                     | 20.24                     | 20.17                      |                          |             |      |     |   |  |  |
| 3               | 16QAM      | 32      | 8         | 20.17                     | 20.26                     | 20.17                      |                          |             | 21.5 | 0   |   |  |  |
| 3               | 16QAM      | 32      | 14        | 20.17                     | 20.27                     | 20.14                      |                          |             |      |     |   |  |  |
| 3               | 16QAM      | 32      | 24        | 20.25                     | 20.25                     | 20.22                      |                          |             | 21.5 | 0   |   |  |  |
| 3               | 16QAM      | 64      | 0         | 20.25                     | 20.21                     | 20.22                      |                          |             |      |     |   |  |  |
| 3               | 64QAM      | 1       | 0         | 20.23                     | 20.18                     | 20.26                      |                          |             | 21.5 | 0   |   |  |  |
| 3               | 64QAM      | 1       | 8         | 20.22                     | 20.26                     | 20.20                      |                          |             |      |     |   |  |  |
| 3               | 64QAM      | 1       | 14        | 20.25                     | 20.24                     | 20.24                      |                          |             | 21.5 | 0   |   |  |  |
| 3               | 64QAM      | 8       | 0         | 20.17                     | 20.24                     | 20.21                      |                          |             |      |     |   |  |  |
| 3               | 64QAM      | 8       | 4         | 20.14                     | 20.22                     | 20.18                      |                          |             | 21.5 | 0   |   |  |  |
| 3               | 64QAM      | 8       | 7         | 20.17                     | 20.26                     | 20.14                      |                          |             |      |     |   |  |  |
| 3               | 64QAM      | 16      | 0         | 20.21                     | 20.26                     | 20.14                      |                          |             | 21   | 0.5 |   |  |  |
| 3               | 256QAM     | 1       | 8         | 17.52                     | 17.60                     | 17.57                      |                          |             |      |     |   |  |  |
| 3               | 256QAM     | 1       | 14        | 17.47                     | 17.77                     | 17.48                      |                          |             | 19   | 2.5 |   |  |  |
| 3               | 256QAM     | 1       | 24        | 17.52                     | 17.67                     | 17.65                      |                          |             |      |     |   |  |  |
| 3               | 256QAM     | 8       | 0         | 17.76                     | 17.62                     | 17.59                      |                          |             | 19   | 2.5 |   |  |  |
| 3               | 256QAM     | 8       | 7         | 17.40                     | 17.39                     | 17.41                      |                          |             |      |     |   |  |  |
| 3               | 256QAM     | 16      | 0         | 17.60                     | 17.51                     | 17.41                      |                          |             |      |     |   |  |  |
| Channel         |            |         |           |                           |                           |                            |                          |             |      |     |   |  |  |
| Frequency (MHz) |            |         |           |                           |                           |                            |                          |             |      |     |   |  |  |
| 1.4             | QPSK       | 1       | 0         | 20.24                     | 20.19                     | 20.26                      |                          |             | 21.5 | 0   |   |  |  |
| 1.4             | QPSK       | 1       | 8         | 20.25                     | 20.26                     | 20.12                      |                          |             |      |     |   |  |  |
| 1.4             | QPSK       | 1       | 14        | 20.16                     | 20.24                     | 20.21                      |                          |             | 21.5 | 0   |   |  |  |
| 1.4             | QPSK       | 3       | 0         | 20.20                     | 20.26                     | 20.13                      |                          |             |      |     |   |  |  |
| 1.4             | QPSK       | 3       | 8         | 20.23                     | 20.26                     | 20.13                      |                          |             | 21.5 | 0   |   |  |  |
| 1.4             | QPSK       | 3       | 14        | 20.15                     | 20.15                     | 20.12                      |                          |             |      |     |   |  |  |
| 1.4             | QPSK       | 3       | 20        | 20.15                     | 20.15                     | 20.12                      |                          |             | 21.5 | 0   |   |  |  |
| 1.4             | 16QAM      | 1       | 0         | 20.15                     | 20.17                     | 20.16                      |                          |             |      |     |   |  |  |
| 1.4             | 16QAM      | 1       | 8         | 20.25                     | 20.25                     | 20.22                      |                          |             | 21.5 | 0   |   |  |  |
| 1.4             | 16QAM      | 1       | 14        | 20.25                     | 20.25                     | 20.22                      |                          |             |      |     |   |  |  |
| 1.4             | 16QAM      | 3       | 0         | 20.17                     | 20.24                     | 20.25                      |                          |             | 21.5 | 0   |   |  |  |
| 1.4             | 16QAM      | 3       | 8         | 20.22                     | 20.26                     |                            |                          |             |      |     |   |  |  |

| Band 38 Ant 1   |            |         |           |                          |                             |                           |                        |             |    |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|----|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |    |
| Channel         |            |         |           | 37850                    | 38000                       | 38150                     |                        |             |    |
| Frequency (MHz) |            |         |           | 25.80                    | 25.95                       | 26.10                     |                        |             |    |
| 20              | QPSK       | 1       | 0         | 22.80                    | 23.08                       | 23.01                     |                        |             |    |
| 20              | QPSK       | 1       | 49        | 22.75                    | 22.92                       | 22.81                     | 24                     | 0           |    |
| 20              | QPSK       | 1       | 99        | 22.64                    | 22.71                       | 22.66                     |                        |             |    |
| 20              | QPSK       | 50      | 0         | 21.79                    | 22.07                       | 21.98                     |                        |             |    |
| 20              | QPSK       | 50      | 24        | 21.89                    | 21.95                       | 21.68                     | 23                     | 1           |    |
| 20              | QPSK       | 50      | 50        | 21.70                    | 21.87                       | 21.67                     |                        |             |    |
| 20              | QPSK       | 100     | 0         | 21.99                    | 22.12                       | 21.83                     |                        |             |    |
| 20              | 16QAM      | 1       | 0         | 21.75                    | 21.60                       | 21.91                     |                        |             |    |
| 20              | 16QAM      | 1       | 49        | 21.61                    | 21.98                       | 21.83                     | 23                     | 1           |    |
| 20              | 16QAM      | 1       | 99        | 21.89                    | 21.86                       | 21.59                     |                        |             |    |
| 20              | 16QAM      | 50      | 0         | 20.75                    | 20.71                       | 20.83                     |                        |             |    |
| 20              | 16QAM      | 50      | 24        | 20.80                    | 20.48                       | 20.48                     | 22                     | 2           |    |
| 20              | 16QAM      | 50      | 50        | 20.86                    | 20.50                       | 20.62                     |                        |             |    |
| 20              | 16QAM      | 100     | 0         | 20.45                    | 20.74                       | 20.50                     |                        |             |    |
| 20              | 64QAM      | 1       | 0         | 20.54                    | 20.55                       | 20.71                     |                        |             |    |
| 20              | 64QAM      | 1       | 49        | 20.52                    | 20.67                       | 20.65                     | 22                     | 2           |    |
| 20              | 64QAM      | 1       | 99        | 20.66                    | 20.38                       | 20.33                     |                        |             |    |
| 20              | 64QAM      | 50      | 0         | 19.66                    | 19.85                       | 19.84                     |                        |             |    |
| 20              | 64QAM      | 50      | 24        | 19.74                    | 19.81                       | 19.55                     | 21                     | 3           |    |
| 20              | 64QAM      | 50      | 50        | 19.71                    | 19.60                       | 19.97                     |                        |             |    |
| 20              | 64QAM      | 100     | 0         | 19.60                    | 19.76                       | 19.55                     |                        |             |    |
| 20              | 256QAM     | 1       | 0         | 17.81                    | 17.77                       | 17.65                     |                        |             |    |
| 20              | 256QAM     | 1       | 49        | 17.72                    | 17.71                       | 17.71                     | 19                     | 5           |    |
| 20              | 256QAM     | 1       | 99        | 17.58                    | 17.62                       | 17.61                     |                        |             |    |
| 20              | 256QAM     | 50      | 0         | 17.70                    | 17.83                       | 17.58                     |                        |             |    |
| 20              | 256QAM     | 50      | 24        | 17.92                    | 17.74                       | 17.76                     | 19                     | 5           |    |
| 20              | 256QAM     | 50      | 50        | 17.62                    | 17.68                       | 17.68                     |                        |             |    |
| 20              | 256QAM     | 100     | 0         | 17.71                    | 17.76                       | 17.65                     |                        |             |    |
| Channel         |            |         |           | 37625                    | 38000                       | 38175                     |                        |             |    |
| Frequency (MHz) |            |         |           | 25.775                   | 25.95                       | 26.125                    |                        |             |    |
| 15              | QPSK       | 1       | 0         | 22.97                    | 23.05                       | 23.00                     |                        |             |    |
| 15              | QPSK       | 1       | 37        | 22.79                    | 22.76                       | 22.86                     | 24                     | 0           |    |
| 15              | QPSK       | 1       | 74        | 22.65                    | 22.74                       | 22.83                     |                        |             |    |
| 15              | QPSK       | 36      | 0         | 21.87                    | 21.96                       | 21.96                     |                        |             |    |
| 15              | QPSK       | 36      | 20        | 21.95                    | 21.92                       | 21.85                     | 23                     | 1           |    |
| 15              | QPSK       | 36      | 39        | 21.77                    | 21.77                       | 21.96                     |                        |             |    |
| 15              | QPSK       | 75      | 0         | 21.82                    | 22.07                       | 21.89                     |                        |             |    |
| 15              | 16QAM      | 1       | 0         | 21.77                    | 21.59                       | 22.03                     |                        |             |    |
| 15              | 16QAM      | 1       | 37        | 21.62                    | 21.90                       | 22.00                     | 23                     | 1           |    |
| 15              | 16QAM      | 1       | 74        | 21.83                    | 21.83                       | 21.81                     |                        |             |    |
| 15              | 16QAM      | 36      | 0         | 20.59                    | 20.82                       | 20.74                     |                        |             |    |
| 15              | 16QAM      | 36      | 20        | 20.87                    | 20.35                       | 20.74                     | 22                     | 2           |    |
| 15              | 16QAM      | 36      | 39        | 20.80                    | 20.71                       | 20.75                     |                        |             |    |
| 15              | 16QAM      | 75      | 0         | 20.58                    | 20.87                       | 20.53                     |                        |             |    |
| 15              | 64QAM      | 1       | 0         | 20.45                    | 20.77                       | 20.60                     |                        |             |    |
| 15              | 64QAM      | 1       | 37        | 20.50                    | 20.78                       | 20.70                     | 22                     | 2           |    |
| 15              | 64QAM      | 1       | 74        | 20.65                    | 20.72                       | 20.90                     |                        |             |    |
| 15              | 64QAM      | 36      | 0         | 19.72                    | 19.74                       | 19.71                     |                        |             |    |
| 15              | 64QAM      | 36      | 20        | 19.89                    | 19.71                       | 19.64                     | 21                     | 3           |    |
| 15              | 64QAM      | 36      | 39        | 19.61                    | 19.53                       | 19.85                     |                        |             |    |
| 15              | 64QAM      | 75      | 0         | 19.74                    | 19.70                       | 19.70                     |                        |             | </ |

| Band 41 Ant 1   |            |         |           |                       |                              |                          |                               |                        |                     |          |  |  |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|----------|--|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |  |
| Channel         |            |         |           | 39750                 | 40186                        | 40620                    | 41055                         | 41490                  |                     |          |  |  |
| Frequency (MHz) |            |         |           | 2503                  | 25463                        | 25903                    | 26335                         | 26769                  |                     |          |  |  |
| 20              | QPSK       | 1       | 0         | 23.06                 | 23.00                        | 23.11                    | 22.92                         | 23.08                  | 24                  | 0        |  |  |
| 20              | QPSK       | 1       | 49        | 22.55                 | 22.95                        | 22.73                    | 22.95                         | 22.82                  |                     |          |  |  |
| 20              | QPSK       | 1       | 99        | 22.70                 | 22.55                        | 22.25                    | 22.71                         | 22.69                  |                     |          |  |  |
| 20              | QPSK       | 50      | 0         | 21.60                 | 21.94                        | 22.00                    | 21.69                         | 21.91                  | 23                  | 1        |  |  |
| 20              | QPSK       | 50      | 24        | 21.86                 | 21.77                        | 21.81                    | 21.83                         | 21.79                  |                     |          |  |  |
| 20              | QPSK       | 50      | 50        | 21.44                 | 21.51                        | 21.49                    | 21.56                         | 21.52                  |                     |          |  |  |
| 20              | QPSK       | 100     | 0         | 21.60                 | 21.61                        | 21.79                    | 21.68                         | 21.68                  | 22                  | 2        |  |  |
| 20              | 16QAM      | 1       | 0         | 21.49                 | 21.65                        | 21.69                    | 21.61                         | 21.46                  |                     |          |  |  |
| 20              | 16QAM      | 1       | 49        | 21.55                 | 21.86                        | 21.48                    | 21.89                         | 21.59                  |                     |          |  |  |
| 20              | 16QAM      | 1       | 99        | 21.85                 | 21.76                        | 21.58                    | 21.61                         | 21.76                  | 21                  | 3        |  |  |
| 20              | 16QAM      | 50      | 0         | 20.53                 | 20.50                        | 20.85                    | 20.58                         | 20.71                  |                     |          |  |  |
| 20              | 16QAM      | 50      | 24        | 20.56                 | 20.75                        | 20.57                    | 20.51                         | 20.49                  |                     |          |  |  |
| 20              | 16QAM      | 50      | 50        | 20.73                 | 20.74                        | 20.71                    | 20.39                         | 20.77                  | 22                  | 2        |  |  |
| 20              | 16QAM      | 100     | 0         | 20.80                 | 20.56                        | 20.49                    | 20.62                         | 20.80                  |                     |          |  |  |
| 20              | 64QAM      | 1       | 0         | 20.38                 | 20.59                        | 20.59                    | 20.30                         | 20.57                  |                     |          |  |  |
| 20              | 64QAM      | 1       | 49        | 20.53                 | 20.51                        | 20.79                    | 20.51                         | 20.60                  | 22                  | 2        |  |  |
| 20              | 64QAM      | 1       | 99        | 20.63                 | 20.53                        | 20.84                    | 20.68                         | 20.71                  |                     |          |  |  |
| 20              | 64QAM      | 50      | 0         | 19.56                 | 19.94                        | 19.71                    | 19.71                         | 19.53                  |                     |          |  |  |
| 20              | 64QAM      | 50      | 24        | 19.60                 | 19.59                        | 19.84                    | 19.60                         | 19.64                  | 21                  | 3        |  |  |
| 20              | 64QAM      | 50      | 50        | 19.74                 | 19.29                        | 19.57                    | 19.49                         | 19.70                  |                     |          |  |  |
| 20              | 64QAM      | 100     | 0         | 19.81                 | 19.44                        | 19.37                    | 19.51                         | 19.61                  |                     |          |  |  |
| 20              | 256QAM     | 1       | 0         | 17.60                 | 17.81                        | 17.72                    | 17.53                         | 17.53                  | 19                  | 5        |  |  |
| 20              | 256QAM     | 1       | 49        | 17.58                 | 17.48                        | 17.71                    | 17.59                         | 17.68                  |                     |          |  |  |
| 20              | 256QAM     | 1       | 99        | 17.53                 | 17.61                        | 17.46                    | 17.59                         | 17.66                  |                     |          |  |  |
| 20              | 256QAM     | 50      | 0         | 17.67                 | 17.96                        | 17.63                    | 17.84                         | 17.66                  | 19                  | 5        |  |  |
| 20              | 256QAM     | 50      | 24        | 17.56                 | 17.60                        | 17.62                    | 17.88                         | 17.48                  |                     |          |  |  |
| 20              | 256QAM     | 50      | 50        | 17.65                 | 17.63                        | 17.64                    | 17.73                         | 17.53                  |                     |          |  |  |
| 20              | 256QAM     | 100     | 0         | 17.62                 | 17.69                        | 17.71                    | 17.61                         | 17.66                  |                     |          |  |  |
| Channel         |            |         |           | 39725                 | 40173                        | 40603                    | 41068                         | 41515                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 2503.5                | 2548.3                       | 2593                     | 2637.8                        | 2682.5                 |                     |          |  |  |
| 15              | QPSK       | 1       | 0         | 22.92                 | 22.83                        | 22.91                    | 22.84                         | 22.86                  | 24                  | 0        |  |  |
| 15              | QPSK       | 1       | 37        | 22.51                 | 22.93                        | 22.60                    | 22.92                         | 22.61                  |                     |          |  |  |
| 15              | QPSK       | 1       | 74        | 22.69                 | 22.47                        | 22.55                    | 22.71                         | 22.47                  |                     |          |  |  |
| 15              | QPSK       | 36      | 0         | 21.40                 | 21.42                        | 21.80                    | 21.58                         | 21.37                  | 23                  | 1        |  |  |
| 15              | QPSK       | 36      | 20        | 21.84                 | 21.27                        | 21.77                    | 21.73                         | 21.72                  |                     |          |  |  |
| 15              | QPSK       | 36      | 39        | 21.39                 | 21.42                        | 21.69                    | 21.68                         | 21.67                  |                     |          |  |  |
| 15              | QPSK       | 75      | 0         | 21.42                 | 21.54                        | 21.79                    | 21.59                         | 21.69                  | 22                  | 2        |  |  |
| 15              | 16QAM      | 1       | 0         | 21.34                 | 21.66                        | 21.68                    | 21.51                         | 21.37                  |                     |          |  |  |
| 15              | 16QAM      | 1       | 37        | 21.34                 | 21.73                        | 21.39                    | 21.78                         | 21.41                  |                     |          |  |  |
| 15              | 16QAM      | 1       | 74        | 21.86                 | 21.54                        | 21.81                    | 21.51                         | 21.70                  | 23                  | 1        |  |  |
| 15              | 16QAM      | 36      | 0         | 20.47                 | 20.45                        | 20.67                    | 20.58                         | 20.57                  |                     |          |  |  |
| 15              | 16QAM      | 36      | 20        | 20.58                 | 20.64                        | 20.57                    | 20.31                         | 20.49                  |                     |          |  |  |
| 15              | 16QAM      | 36      | 39        | 20.63                 | 20.54                        | 20.71                    | 20.28                         | 20.58                  | 22                  | 2        |  |  |
| 15              | 16QAM      | 75      | 0         | 20.39                 | 20.34                        | 20.39                    | 20.50                         | 20.57                  |                     |          |  |  |
| 15              | 64QAM      | 1       | 0         | 20.39                 | 20.58                        | 20.58                    | 20.30                         | 20.43                  |                     |          |  |  |
| 15              | 64QAM      | 1       | 37        | 20.32                 | 20.39                        | 20.89                    | 20.46                         | 20.42                  | 22                  | 2        |  |  |
| 15              | 64QAM      | 1       | 74        | 20.44                 | 20.31                        | 20.81                    | 20.62                         | 20.71                  |                     |          |  |  |
| 15              | 64QAM      | 36      | 0         | 19.50                 | 19.86                        | 19.55                    | 19.72                         | 19.47                  |                     |          |  |  |
| 15              | 64QAM      | 36      | 20        | 19.61                 | 19.61                        | 19.65                    | 19.57                         | 19.58                  | 21                  | 3        |  |  |
| 15              | 64QAM      | 36      | 39        | 19.62                 | 19.13                        | 19.39                    | 19.36                         | 19.62                  |                     |          |  |  |
| 15              | 64QAM      | 75      | 0         | 19.78                 | 19.27                        | 19.27                    | 19.40                         | 19.53                  |                     |          |  |  |
| 15              | 256QAM     | 1       | 0         | 17.43                 | 17.73                        | 17.67                    | 17.38                         | 17.34                  | 19                  | 5        |  |  |
| 15              | 256QAM     | 1       | 37        | 17.46                 | 17.32                        | 17.64                    | 17.41                         | 17.86                  |                     |          |  |  |
| 15              | 256QAM     | 1       | 74        | 17.35                 | 17.47                        | 17.25                    | 17.45                         | 17.45                  |                     |          |  |  |
| 15              | 256QAM     | 36      | 0         | 17.51                 | 17.80                        | 17.45                    | 17.71                         | 17.58                  | 19                  | 5        |  |  |
| 15              | 256QAM     | 36      | 20        | 17.51                 | 17.42                        | 17.60                    | 17.66                         | 17.37                  |                     |          |  |  |
| 15              | 256QAM     | 36      | 39        | 17.63                 | 17.57                        | 17.48                    | 17.72                         | 17.32                  |                     |          |  |  |
| 15              | 256QAM     | 75      | 0         | 17.62                 | 17.82                        | 17.67                    | 17.48                         | 18.05                  |                     |          |  |  |
| Channel         |            |         |           | 39700                 | 40160                        | 40620                    | 41080                         | 41540                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 2501                  | 2547                         | 2593                     | 2639                          | 2685                   |                     |          |  |  |
| 10              | QPSK       | 1       | 0         | 22.97                 | 22.89                        | 22.94                    | 22.90                         | 23.00                  | 24                  | 0        |  |  |
| 10              | QPSK       | 1       | 25        | 22.49                 | 22.92                        | 22.56                    | 22.92                         | 22.77                  |                     |          |  |  |
| 10              | QPSK       | 1       | 49        | 22.70                 | 22.48                        | 22.68                    | 22.60                         | 22.56                  |                     |          |  |  |
| 10              | QPSK       | 25      | 0         | 21.50                 | 21.86                        | 21.93                    | 21.63                         | 21.72                  | 23                  | 1        |  |  |
| 10              | QPSK       | 25      | 12        | 21.77                 | 21.76                        | 21.63                    | 21.77                         | 21.75                  |                     |          |  |  |
| 10              | QPSK       | 25      | 25        | 21.32                 | 21.55                        | 21.79                    | 21.78                         | 21.74                  |                     |          |  |  |
| 10              | QPSK       | 50      | 0         | 21.46                 | 21.62                        | 21.66                    | 21.62                         | 21.51                  | 23                  | 1        |  |  |
| 10              | QPSK       | 50      | 0         | 21.30                 | 21.45                        | 21.62                    | 21.54                         | 21.35                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 25        | 21.52                 | 21.83                        | 21.39                    | 21.89                         | 21.38                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 49        | 21.72                 | 21.74                        | 21.62                    | 21.60                         | 21.70                  | 22                  | 2        |  |  |
| 10              | 16QAM      | 25      | 0         | 20.53                 | 20.40                        | 20.84                    | 20.58                         | 20.64                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 12        | 20.53                 | 20.69                        | 20.35                    | 20.40                         | 20.37                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 25        | 20.72                 | 20.61                        | 20.59                    | 20.31                         | 20.61                  | 22                  | 2        |  |  |
| 10              | 16QAM      | 50      | 0         | 20.47                 | 20.45                        | 20.43                    | 20.44                         | 20.40                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 0         | 20.35                 | 20.38                        | 20.48                    | 20.09                         | 20.43                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 25        | 20.41                 | 20.41                        | 20.59                    | 20.34                         | 20.45                  | 22                  | 2        |  |  |
| 10              | 64QAM      | 1       | 49        | 20.42                 | 20.33                        | 20.81                    | 20.61                         | 20.62                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 0         | 19.41                 | 19.53                        | 19.33                    | 19.61                         | 19.62                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 12        | 19.52                 | 19.55                        | 19.74                    | 19.48                         | 19.58                  | 21                  | 3        |  |  |
| 10              | 64QAM      | 25      | 25        | 19.75                 | 19.13                        | 19.57                    | 19.41                         | 19.61                  |                     |          |  |  |
| 10              | 64QAM      | 50      | 0         | 19.75                 | 19.27                        | 19.16                    | 19.33                         | 19.58                  |                     |          |  |  |
| 10              | 256QAM     | 1       | 0         | 17.48                 | 17.69                        | 17.55                    | 17.35                         | 17.32                  | 19                  | 5        |  |  |
| 10              | 256QAM     | 1       | 25        | 17.37                 | 17.39                        | 17.71                    | 17.49                         | 17.86                  |                     |          |  |  |
| 10              | 256QAM     | 1       | 49        | 17.31                 | 17.46                        | 17.47                    | 17.52                         | 17.17                  |                     |          |  |  |
| 10              | 256QAM     | 25      | 0         | 17.53                 | 17.94                        | 17.61                    | 17.86                         | 17.51                  | 19                  | 5        |  |  |
| 10              | 256QAM     | 25      | 12        | 17.46                 | 17.44                        | 17.59                    | 17.47                         | 17.51                  |                     |          |  |  |
| 10              | 256QAM     | 25      | 25        | 17.59                 | 17.44                        | 17.53                    | 17.63                         | 17.36                  |                     |          |  |  |
| 10              | 256QAM     | 50      | 0         | 17.54                 | 17.75                        | 17.50                    | 17.65                         | 17.96                  |                     |          |  |  |
| Channel         |            |         |           | 39675                 | 40146                        | 40620                    | 41053                         | 41565                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 2498.5                | 25458                        | 25903                    | 26335                         | 26769                  |                     |          |  |  |
| 5               | QPSK       | 1       | 0         | 22.89                 | 22.82                        | 23.03                    | 22.83                         | 22.89                  | 24                  | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 22.54                 | 22.74                        | 22.69                    | 22.84                         | 22.76                  |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 22.60                 | 22.42                        | 22.61                    | 22.61                         | 22.59                  |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 21.54                 | 21.85                        | 21.98                    | 21.59                         | 21.77                  | 23                  | 1        |  |  |
| 5               | QPSK       | 12      | 0         | 21.71                 | 21.67                        | 21.82                    | 21.78                         | 21.69                  |                     |          |  |  |
| 5               | QPSK       | 12      | 13        | 21.27                 | 21.30                        | 21.65                    | 21.67                         | 21.71                  |                     |          |  |  |
| 5               | QPSK       | 25      | 0         | 21.54                 | 21.48                        | 21.62                    | 21.66                         | 21.59                  | 23                  | 1        |  |  |
| 5               | 16QAM      | 1       | 0         | 21.35                 | 21.67                        | 21.55                    | 21.55                         | 21.46                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 12        | 21.41                 | 21.72                        | 21.47                    | 21.90                         | 21.52                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 24        | 21.71                 | 21.74                        | 21.49                    | 21.59                         | 21.58                  | 22                  | 2        |  |  |
| 5               | 16QAM      | 12      | 0         | 20.53                 | 20.43                        | 20.70                    | 20.59                         | 20.64                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 7         | 20.45                 | 20.63                        | 20.49                    | 20.36                         | 20.35                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 13        | 20.62                 | 20.69                        | 20.68                    | 20.27                         | 20.65                  | 21                  | 3        |  |  |
| 5               | 16QAM      | 25      | 0         | 20.53                 | 20.53                        | 20.31                    | 20.45                         | 20.58                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 0         | 20.25                 | 20.39                        | 20.39                    | 20.09                         | 20.42                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 12        | 20.35                 | 20.48                        | 20.76                    | 20.62                         | 20.48                  | 22                  | 2        |  |  |
| 5               | 64QAM      | 1       | 24        | 20.64                 | 20.43                        | 20.83                    | 20.70                         | 20.69                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 0         | 19.49                 | 19.87                        | 19.64                    | 19.71                         | 19.32                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 7         | 19.53                 | 19.56                        | 19.73                    | 19.54                         | 19.48                  | 21                  | 3        |  |  |
| 5               | 64QAM      | 12      | 13        | 19.53                 | 19.27                        | 19.37                    | 19.39                         | 19.66                  |                     |          |  |  |
| 5               | 64QAM      | 25      | 0         | 19.75                 | 19.25                        | 19.27                    | 19.47                         | 19.48                  |                     |          |  |  |
| 5               | 256QAM     | 1       | 0         | 17.48                 | 17.69                        | 17.55                    | 17.32                         | 17.50                  | 19                  | 5        |  |  |
| 5               | 256QAM     | 1       | 12        | 17.52                 | 17.42                        | 17.72                    | 17.49                         | 17.80                  |                     |          |  |  |
| 5               | 256QAM     | 1       | 24        | 17.48                 | 17.39                        | 17.25                    | 17.52                         | 17.47                  |                     |          |  |  |
| 5               | 256QAM     | 12      | 0         | 17.69                 | 17.79                        | 17.42                    | 17.64                         | 17.52                  | 19                  | 5        |  |  |
| 5               | 256QAM     | 12      | 7         | 17.58                 | 17.43                        | 17.75                    | 17.68                         | 17.48                  |                     |          |  |  |
| 5               | 256QAM     | 12      | 13        | 17.61                 | 17.60                        | 17.63                    | 17.64                         | 17.42                  |                     |          |  |  |

| Band 5 Ant 4    |            |         |           |                     |                        |                      |                     |          |  |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 20450               | 20525                  | 20600                | 21.5                | 0        |  |
| Frequency (MHz) |            |         |           | 839                 | 838.5                  | 844                  |                     |          |  |
| 10              | QPSK       | 1       | 0         | 20.17               | 20.20                  | 20.06                | 21.5                | 0        |  |
| 10              | QPSK       | 1       | 25        | 20.08               | 20.11                  | 20.09                |                     |          |  |
| 10              | QPSK       | 1       | 49        | 20.17               | 20.14                  | 20.11                |                     |          |  |
| 10              | QPSK       | 25      | 0         | 20.10               | 20.18                  | 20.14                | 21.5                | 0        |  |
| 10              | QPSK       | 25      | 12        | 20.04               | 20.14                  | 20.03                |                     |          |  |
| 10              | QPSK       | 25      | 25        | 20.04               | 20.11                  | 20.13                |                     |          |  |
| 10              | QPSK       | 50      | 0         | 20.16               | 20.17                  | 20.04                | 21.5                | 0        |  |
| 10              | 16QAM      | 1       | 0         | 20.12               | 20.14                  | 20.11                |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 20.16               | 20.14                  | 20.14                |                     |          |  |
| 10              | 16QAM      | 1       | 49        | 20.12               | 20.13                  | 20.08                | 21.5                | 0        |  |
| 10              | 16QAM      | 25      | 0         | 20.12               | 20.10                  | 20.10                |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 20.11               | 20.06                  | 20.11                |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 20.16               | 20.17                  | 20.12                | 21                  | 0.5      |  |
| 10              | 16QAM      | 50      | 0         | 20.16               | 20.14                  | 20.04                |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 20.09               | 20.18                  | 20.12                | 21.5                | 0        |  |
| 10              | 64QAM      | 1       | 25        | 20.05               | 20.14                  | 20.07                |                     |          |  |
| 10              | 64QAM      | 1       | 49        | 20.10               | 20.13                  | 20.12                |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 20.16               | 20.14                  | 20.16                | 21                  | 0.5      |  |
| 10              | 64QAM      | 25      | 12        | 20.06               | 20.14                  | 20.04                |                     |          |  |
| 10              | 64QAM      | 25      | 25        | 20.12               | 20.15                  | 20.10                |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 20.16               | 20.19                  | 20.04                | 19                  | 2.5      |  |
| 10              | 256QAM     | 1       | 0         | 18.08               | 18.02                  | 18.16                |                     |          |  |
| 10              | 256QAM     | 1       | 25        | 18.10               | 18.26                  | 18.07                |                     |          |  |
| 10              | 256QAM     | 1       | 49        | 17.91               | 17.95                  | 18.03                | 19                  | 2.5      |  |
| 10              | 256QAM     | 25      | 0         | 17.84               | 18.21                  | 18.02                |                     |          |  |
| 10              | 256QAM     | 25      | 12        | 18.08               | 17.85                  | 17.84                |                     |          |  |
| 10              | 256QAM     | 25      | 25        | 17.89               | 18.10                  | 18.04                | 10                  | 2.5      |  |
| 10              | 256QAM     | 50      | 0         | 18.12               | 18.12                  | 17.95                |                     |          |  |
| Channel         |            |         |           | 20425               | 20525                  | 20625                | 21.5                | 0        |  |
| Frequency (MHz) |            |         |           | 826.5               | 836.5                  | 846.5                |                     |          |  |
| 5               | QPSK       | 1       | 0         | 20.01               | 20.14                  | 20.03                | 21.5                | 0        |  |
| 5               | QPSK       | 1       | 12        | 20.03               | 20.02                  | 19.99                |                     |          |  |
| 5               | QPSK       | 1       | 24        | 20.00               | 20.12                  | 20.00                |                     |          |  |
| 5               | QPSK       | 12      | 0         | 20.02               | 20.06                  | 19.99                | 21.5                | 0        |  |
| 5               | QPSK       | 12      | 7         | 20.02               | 20.07                  | 20.08                |                     |          |  |
| 5               | QPSK       | 12      | 13        | 20.10               | 20.14                  | 20.09                |                     |          |  |
| 5               | QPSK       | 25      | 0         | 20.06               | 20.07                  | 20.12                | 21.5                | 0        |  |
| 5               | 16QAM      | 1       | 0         | 20.09               | 20.14                  | 20.02                |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 20.12               | 20.10                  | 20.02                |                     |          |  |
| 5               | 16QAM      | 1       | 24        | 20.06               | 20.15                  | 20.06                | 21.5                | 0        |  |
| 5               | 16QAM      | 12      | 0         | 20.06               | 20.08                  | 20.06                |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 20.05               | 20.03                  | 20.05                |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 19.98               | 20.09                  | 20.04                | 21                  | 0.5      |  |
| 5               | 16QAM      | 25      | 0         | 19.99               | 20.05                  | 20.01                |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 20.12               | 20.14                  | 20.03                |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 20.11               | 20.03                  | 20.11                | 21                  | 0.5      |  |
| 5               | 64QAM      | 1       | 24        | 20.06               | 20.15                  | 20.09                |                     |          |  |
| 5               | 64QAM      | 12      | 0         | 20.09               | 20.13                  | 19.99                |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 20.10               | 20.04                  | 20.07                | 19                  | 2.5      |  |
| 5               | 64QAM      | 12      | 13        | 20.08               | 20.09                  | 19.99                |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 20.01               | 20.06                  | 20.02                |                     |          |  |
| 5               | 256QAM     | 1       | 0         | 17.95               | 17.87                  | 18.15                | 19                  | 2.5      |  |
| 5               | 256QAM     | 1       | 12        | 18.00               | 18.13                  | 17.94                |                     |          |  |
| 5               | 256QAM     | 1       | 24        | 17.69               | 17.95                  | 17.83                |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 17.71               | 18.09                  | 18.01                | 19                  | 2.5      |  |
| 5               | 256QAM     | 12      | 7         | 18.04               | 17.78                  | 17.77                |                     |          |  |
| 5               | 256QAM     | 12      | 13        | 17.73               | 18.09                  | 17.96                |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 17.97               | 18.05                  | 17.92                | 21.5                | 0        |  |
| Channel         |            |         |           | 20415               | 20525                  | 20635                |                     |          |  |
| Frequency (MHz) |            |         |           | 825.5               | 836.5                  | 847.5                | 21.5                | 0        |  |
| 3               | QPSK       | 1       | 0         | 20.07               | 20.06                  | 20.04                |                     |          |  |
| 3               | QPSK       | 1       | 8         | 20.11               | 20.10                  | 20.07                | 21.5                | 0        |  |
| 3               | QPSK       | 1       | 14        | 20.04               | 20.02                  | 20.06                |                     |          |  |
| 3               | QPSK       | 8       | 0         | 20.02               | 20.14                  | 20.06                |                     |          |  |
| 3               | QPSK       | 8       | 4         | 20.03               | 20.10                  | 20.02                | 21.5                | 0        |  |
| 3               | QPSK       | 8       | 7         | 20.10               | 20.06                  | 20.00                |                     |          |  |
| 3               | QPSK       | 15      | 0         | 19.99               | 20.14                  | 20.00                |                     |          |  |
| 3               | 16QAM      | 1       | 0         | 20.11               | 20.13                  | 20.05                | 21.5                | 0        |  |
| 3               | 16QAM      | 1       | 8         | 20.02               | 20.10                  | 20.02                |                     |          |  |
| 3               | 16QAM      | 1       | 14        | 20.10               | 20.09                  | 20.02                |                     |          |  |
| 3               | 16QAM      | 8       | 0         | 20.01               | 20.11                  | 20.01                | 21.5                | 0        |  |
| 3               | 16QAM      | 8       | 4         | 20.11               | 20.01                  | 20.08                |                     |          |  |
| 3               | 16QAM      | 8       | 7         | 19.98               | 20.02                  | 20.05                |                     |          |  |
| 3               | 16QAM      | 15      | 0         | 19.99               | 20.11                  | 20.06                | 21.5                | 0        |  |
| 3               | 64QAM      | 1       | 0         | 19.99               | 20.10                  | 20.01                |                     |          |  |
| 3               | 64QAM      | 1       | 8         | 19.99               | 20.09                  | 20.06                |                     |          |  |
| 3               | 64QAM      | 1       | 14        | 20.06               | 20.06                  | 20.02                | 21                  | 0.5      |  |
| 3               | 64QAM      | 8       | 0         | 20.05               | 20.08                  | 20.07                |                     |          |  |
| 3               | 64QAM      | 8       | 4         | 20.08               | 20.03                  | 20.04                |                     |          |  |
| 3               | 64QAM      | 8       | 7         | 20.09               | 20.12                  | 20.07                | 19                  | 2.5      |  |
| 3               | 64QAM      | 15      | 0         | 20.09               | 20.10                  | 20.11                |                     |          |  |
| 3               | 256QAM     | 1       | 0         | 18.08               | 17.84                  | 17.99                |                     |          |  |
| 3               | 256QAM     | 1       | 8         | 18.05               | 18.05                  | 17.91                | 19                  | 2.5      |  |
| 3               | 256QAM     | 1       | 14        | 17.91               | 17.84                  | 17.85                |                     |          |  |
| 3               | 256QAM     | 8       | 0         | 17.69               | 18.12                  | 17.99                |                     |          |  |
| 3               | 256QAM     | 8       | 4         | 17.90               | 17.82                  | 17.75                | 19                  | 2.5      |  |
| 3               | 256QAM     | 8       | 7         | 17.80               | 18.09                  | 17.91                |                     |          |  |
| 3               | 256QAM     | 15      | 0         | 18.12               | 17.94                  | 17.79                |                     |          |  |
| Channel         |            |         |           | 20407               | 20525                  | 20643                | 21.5                | 0        |  |
| Frequency (MHz) |            |         |           | 824.7               | 836.5                  | 848.3                |                     |          |  |
| 1.4             | QPSK       | 1       | 0         | 20.03               | 20.13                  | 20.12                | 21.5                | 0        |  |
| 1.4             | QPSK       | 1       | 3         | 20.10               | 20.08                  | 20.06                |                     |          |  |
| 1.4             | QPSK       | 1       | 5         | 20.10               | 20.01                  | 20.11                |                     |          |  |
| 1.4             | QPSK       | 3       | 0         | 20.10               | 20.05                  | 20.01                | 21.5                | 0        |  |
| 1.4             | QPSK       | 3       | 1         | 20.01               | 20.07                  | 20.06                |                     |          |  |
| 1.4             | QPSK       | 3       | 3         | 19.98               | 20.09                  | 19.99                |                     |          |  |
| 1.4             | QPSK       | 6       | 0         | 20.02               | 20.02                  | 20.02                | 21.5                | 0        |  |
| 1.4             | 16QAM      | 1       | 0         | 19.99               | 20.02                  | 20.04                |                     |          |  |
| 1.4             | 16QAM      | 1       | 3         | 20.09               | 20.08                  | 20.09                |                     |          |  |
| 1.4             | 16QAM      | 1       | 5         | 20.06               | 20.05                  | 20.03                | 21.5                | 0        |  |
| 1.4             | 16QAM      | 3       | 0         | 20.09               | 20.02                  | 20.12                |                     |          |  |
| 1.4             | 16QAM      | 3       | 1         | 20.03               | 20.10                  | 20.12                |                     |          |  |
| 1.4             | 16QAM      | 3       | 3         | 19.99               | 20.13                  | 20.04                | 21.5                | 0        |  |
| 1.4             | 16QAM      | 6       | 0         | 20.10               | 20.08                  | 20.08                |                     |          |  |
| 1.4             | 64QAM      | 1       | 0         | 19.98               | 20.08                  | 20.09                |                     |          |  |
| 1.4             | 64QAM      | 1       | 3         | 20.00               | 20.04                  | 20.02                | 21.5                | 0        |  |
| 1.4             | 64QAM      | 1       | 5         | 20.04               | 20.12                  | 19.98                |                     |          |  |
| 1.4             | 64QAM      | 3       | 0         | 20.07               | 20.08                  | 20.00                |                     |          |  |
| 1.4             | 64QAM      | 3       | 1         | 20.01               | 20.13                  | 20.05                | 21                  | 0.5      |  |
| 1.4             | 64QAM      | 3       | 3         | 20.03               | 20.11                  | 20.10                |                     |          |  |
| 1.4             | 64QAM      | 6       | 0         | 20.00               | 20.06                  | 20.12                |                     |          |  |
| 1.4             | 256QAM     | 1       | 0         | 17.96               | 18.01                  | 18.06                | 19                  | 2.5      |  |
| 1.4             | 256QAM     | 1       | 3         | 18.10               | 18.10                  | 17.84                |                     |          |  |
| 1.4             | 256QAM     | 1       | 5         | 17.71               | 17.86                  | 18.02                |                     |          |  |
| 1.4             | 256QAM     | 3       | 0         | 17.91               | 18.03                  | 17.98                | 19                  | 2.5      |  |
| 1.4             | 256QAM     | 3       | 1         | 18.04               | 18.06                  | 17.89                |                     |          |  |
| 1.4             | 256QAM     | 3       | 3         | 17.83               | 17.92                  | 18.02                |                     |          |  |
| 1.4             | 256QAM     | 6       | 0         | 18.02               | 17.97                  | 17.88                | 19                  | 2.5      |  |

## Full &amp; Default Power

| n5 Ant 0        |            |         |           |                             |                                |                              |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch / Freq. 166800 | Power Middle Ch / Freq. 167300 | Power High Ch / Freq. 167800 | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 834                         | 836.5                          | 839                          | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           |                             |                                |                              |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 23.11                       | 23.21                          | 23.17                        |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 53        | 23.01                       | 23.18                          | 23.10                        | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 104       | 23.03                       | 23.04                          | 22.92                        |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.53                       | 22.65                          | 22.65                        |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 28        | 22.97                       | 23.14                          | 23.15                        | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 22.39                       | 22.58                          | 22.38                        |                     | 0.0      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 22.54                       | 22.63                          | 22.52                        |                     |          |  |
| 20              | QPSK       | 1       | 1         | 23.23                       | 23.25                          | 23.24                        | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 23.14                       | 23.15                          | 23.00                        |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.92                       | 23.07                          | 23.08                        |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.01                       | 22.19                          | 22.20                        | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 23.11                       | 23.13                          | 22.97                        |                     | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 22.00                       | 22.12                          | 22.13                        |                     | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 22.15                       | 22.17                          | 22.10                        | 23.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 22.17                       | 22.36                          | 22.16                        |                     | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.82                       | 20.86                          | 20.86                        |                     | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.85                       | 18.87                          | 18.80                        | 19.5                |          |  |
| Channel         |            |         |           | 166300                      | 167300                         | 168300                       | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 831.5                       | 836.5                          | 841.5                        |                     |          |  |
| 15              | QPSK       | 1       | 1         | 23.21                       | 23.07                          | 23.16                        |                     |          |  |
| Channel         |            |         |           | 165800                      | 167300                         | 168800                       | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 829                         | 836.5                          | 844                          |                     |          |  |
| 10              | QPSK       | 1       | 1         | 23.03                       | 23.16                          | 23.18                        |                     |          |  |
| Channel         |            |         |           | 165300                      | 167300                         | 169300                       | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 826.5                       | 836.5                          | 846.5                        |                     |          |  |
| 5               | QPSK       | 1       | 1         | 23.05                       | 23.06                          | 23.16                        |                     |          |  |

| n26 Ant 0       |            |         |     |           |                     |                        |                      |                     |          |
|-----------------|------------|---------|-----|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size |     | RB Offset | Power Low Ch / Freq | Power Middle Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |     |           | 164800              | 166300                 | 167800               | 24.0                | 0.0      |
| Frequency (MHz) |            |         |     |           | 824                 | 831.5                  | 839                  |                     |          |
| 20              | PI/2 BPSK  | 1       | 1   |           | 23.57               | 23.48                  | 23.54                |                     |          |
| 20              | PI/2 BPSK  | 1       | 53  |           | 23.43               | 23.45                  | 23.63                | 24.0                | 0.0      |
| 20              | PI/2 BPSK  | 1       | 104 |           | 23.57               | 23.64                  | 23.41                |                     |          |
| 20              | PI/2 BPSK  | 50      | 0   |           | 23.07               | 23.20                  | 23.11                |                     |          |
| 20              | PI/2 BPSK  | 50      | 28  |           | 23.56               | 23.51                  | 23.43                | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 50      | 56  |           | 23.04               | 23.15                  | 23.06                | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 100     | 0   |           | 23.02               | 23.22                  | 23.19                |                     |          |
| 20              | QPSK       | 1       | 1   |           | 23.58               | 23.65                  | 23.62                |                     |          |
| 20              | QPSK       | 1       | 53  |           | 23.37               | 23.65                  | 23.49                | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 104 |           | 23.54               | 23.54                  | 23.44                |                     |          |
| 20              | QPSK       | 50      | 0   |           | 22.67               | 22.67                  | 22.56                |                     |          |
| 20              | QPSK       | 50      | 28  |           | 23.50               | 23.52                  | 23.45                | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 56  |           | 22.53               | 22.70                  | 22.71                | 24.0                | 0.0      |
| 20              | QPSK       | 100     | 0   |           | 22.51               | 22.58                  | 22.57                |                     |          |
| 20              | 16QAM      | 1       | 1   |           | 22.47               | 22.80                  | 22.61                |                     |          |
| 20              | 64QAM      | 1       | 1   |           | 21.03               | 21.12                  | 21.03                | 23.0                | 1.0      |
| 20              | 256QAM     | 1       | 1   |           | 19.02               | 19.16                  | 19.07                | 21.5                | 2.5      |
| Channel         |            |         |     |           | 164300              | 166300                 | 168300               | 24.0                | MPR (dB) |
| Frequency (MHz) |            |         |     |           | 821.5               | 831.5                  | 841.5                |                     |          |
| 15              | QPSK       | 1       | 1   |           | 23.51               | 23.60                  | 23.42                |                     |          |
| Channel         |            |         |     |           | 163800              | 166300                 | 168800               | 24.0                | MPR (dB) |
| Frequency (MHz) |            |         |     |           | 819                 | 831.5                  | 844                  |                     |          |
| 10              | QPSK       | 1       | 1   |           | 23.54               | 23.47                  | 23.44                |                     |          |
| Channel         |            |         |     |           | 163300              | 166300                 | 169300               | 24.0                | MPR (dB) |
| Frequency (MHz) |            |         |     |           | 816.5               | 831.5                  | 846.5                |                     |          |
| 5               | QPSK       | 1       | 1   |           | 23.48               | 23.50                  | 23.53                |                     |          |

n2 Ant 1

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 372000                | 376000                   | 380000                 |                     |          |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |
| 20              | PV2 BPSK   | 1       | 1         | 23.45                 | 23.45                    | 23.26                  |                     |          |
| 20              | PV2 BPSK   | 1       | 53        | 23.41                 | 23.44                    | 23.25                  | 24.0                | 0.0      |
| 20              | PV2 BPSK   | 1       | 104       | 23.27                 | 23.47                    | 23.30                  | 23.5                | 0.5      |
| 20              | PV2 BPSK   | 50      | 0         | 22.76                 | 22.81                    | 22.82                  | 23.5                | 0.5      |
| 20              | PV2 BPSK   | 50      | 28        | 23.40                 | 23.43                    | 23.41                  | 24.0                | 0.0      |
| 20              | PV2 BPSK   | 50      | 56        | 22.73                 | 22.88                    | 22.87                  | 23.5                | 0.5      |
| 20              | PV2 BPSK   | 100     | 0         | 22.79                 | 22.91                    | 22.73                  |                     |          |
| 20              | QPSK       | 1       | 1         | 23.45                 | 23.46                    | 23.43                  |                     |          |
| 20              | QPSK       | 1       | 53        | 23.40                 | 23.45                    | 23.39                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 104       | 23.45                 | 23.43                    | 23.31                  |                     |          |
| 20              | QPSK       | 50      | 0         | 22.32                 | 22.42                    | 22.29                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 28        | 23.24                 | 23.43                    | 23.30                  | 24.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 22.26                 | 22.36                    | 22.38                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 22.34                 | 22.41                    | 22.32                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 22.46                 | 22.58                    | 22.52                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 21.12                 | 21.11                    | 21.00                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.88                 | 19.06                    | 18.93                  | 19.5                | 4.5      |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1867.5                | 1880                     | 1902.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 23.44                 | 23.40                    | 23.37                  | 24.0                | 0.0      |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1905                  | 1920                     | 1905                   |                     |          |
| 10              | QPSK       | 1       | 1         | 23.26                 | 23.40                    | 23.39                  | 24.0                | 0.0      |
| Channel         |            |         |           | 375500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1862.5                | 1880                     | 1907.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 23.34                 | 23.41                    | 23.44                  | 24.0                | 0.0      |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 504000                | 507000                   | 510000                 |                     |          |
| Frequency (MHz) |            |         |           | 2620                  | 2635                     | 2650                   |                     |          |
| 40              | PV2 BPSK   | 1       | 1         | 23.46                 | 23.38                    | 23.22                  |                     |          |
| 40              | PV2 BPSK   | 1       | 135       | 23.41                 | 23.27                    | 23.24                  | 24.0                | 0.0      |
| 40              | PV2 BPSK   | 1       | 268       | 23.13                 | 23.41                    | 23.19                  | 23.5                | 0.5      |
| 40              | PV2 BPSK   | 135     | 0         | 22.87                 | 22.73                    | 22.66                  | 23.5                | 0.5      |
| 40              | PV2 BPSK   | 135     | 68        | 23.20                 | 23.33                    | 23.34                  | 24.0                | 0.0      |
| 40              | PV2 BPSK   | 135     | 135       | 22.56                 | 22.84                    | 22.69                  | 23.5                | 0.5      |
| 40              | PV2 BPSK   | 270     | 0         | 22.73                 | 22.91                    | 22.58                  |                     |          |
| 40              | QPSK       | 1       | 1         | 23.42                 | 23.47                    | 23.29                  |                     |          |
| 40              | QPSK       | 1       | 135       | 23.22                 | 23.27                    | 23.35                  | 24.0                | 0.0      |
| 40              | QPSK       | 1       | 268       | 23.28                 | 23.38                    | 23.17                  |                     |          |
| 40              | QPSK       | 135     | 0         | 22.13                 | 22.42                    | 22.21                  | 23.0                | 1.0      |
| 40              | QPSK       | 135     | 68        | 23.06                 | 23.25                    | 23.09                  | 24.0                | 0.0      |
| 40              | QPSK       | 135     | 135       | 22.16                 | 22.18                    | 22.36                  | 23.0                | 1.0      |
| 40              | QPSK       | 270     | 0         | 22.28                 | 22.41                    | 22.21                  |                     |          |
| 40              | 16QAM      | 1       | 1         | 22.46                 | 22.38                    | 22.36                  | 23.0                | 1.0      |
| 40              | 64QAM      | 1       | 1         | 21.09                 | 20.98                    | 21.00                  | 21.5                | 2.5      |
| 40              | 256QAM     | 1       | 1         | 18.84                 | 18.96                    | 18.77                  | 19.5                | 4.5      |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2615                  | 2635                     | 2655                   |                     |          |
| 30              | QPSK       | 1       | 1         | 23.20                 | 23.38                    | 23.25                  | 24.0                | 0.0      |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2612.5                | 2635                     | 2657.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 23.39                 | 23.30                    | 23.20                  | 24.0                | 0.0      |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2610                  | 2635                     | 2650                   |                     |          |
| 20              | PV2 BPSK   | 1       | 1         | 23.23                 | 23.32                    | 23.11                  | 24.0                | 0.0      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2607.5                | 2635                     | 2662.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 23.42                 | 23.37                    | 23.08                  | IREFI               | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2605                  | 2635                     | 2665                   |                     |          |
| 10              | QPSK       | 1       | 1         | 23.33                 | 23.40                    | 23.20                  | 24.0                | 0.0      |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2592.5                | 2635                     | 2667.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 23.42                 | 23.36                    | 23.06                  | 24.0                | 0.0      |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 346000                | 348000                   | 350000                 |                     |          |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |
| 40              | PV2 BPSK   | 1       | 1         | 23.13                 | 23.02                    | 22.98                  |                     |          |
| 40              | PV2 BPSK   | 1       | 108       | 23.10                 | 22.86                    | 23.03                  | 24.0                | 0.0      |
| 40              | PV2 BPSK   | 1       | 214       | 22.76                 | 23.04                    | 22.79                  | 23.5                | 0.5      |
| 40              | PV2 BPSK   | 108     | 0         | 22.37                 | 22.50                    | 22.34                  | 23.5                | 0.5      |
| 40              | PV2 BPSK   | 108     | 54        | 22.86                 | 23.01                    | 23.03                  | 24.0                | 0.0      |
| 40              | PV2 BPSK   | 108     | 108       | 22.15                 | 22.83                    | 22.37                  | 23.5                | 0.5      |
| 40              | PV2 BPSK   | 216     | 0         | 22.51                 | 22.53                    | 22.38                  |                     |          |
| 40              | QPSK       | 1       | 1         | 23.21                 | 23.25                    | 23.11                  |                     |          |
| 40              | QPSK       | 1       | 108       | 23.03                 | 23.07                    | 23.17                  | 24.0                | 0.0      |
| 40              | QPSK       | 1       | 214       | 22.88                 | 23.05                    | 22.78                  |                     |          |
| 40              | QPSK       | 108     | 0         | 21.73                 | 22.00                    | 21.95                  | 23.0                | 1.0      |
| 40              | QPSK       | 108     | 54        | 22.73                 | 22.87                    | 22.85                  | 24.0                | 0.0      |
| 40              | QPSK       | 108     | 108       | 21.94                 | 21.95                    | 22.14                  | 23.0                | 1.0      |
| 40              | QPSK       | 216     | 0         | 21.89                 | 22.15                    | 22.01                  |                     |          |
| 40              | 16QAM      | 1       | 1         | 22.14                 | 22.20                    | 22.04                  | 23.0                | 1.0      |
| 40              | 64QAM      | 1       | 1         | 20.89                 | 20.88                    | 20.79                  | 21.5                | 2.5      |
| 40              | 256QAM     | 1       | 1         | 18.47                 | 18.57                    | 18.37                  | 19.5                | 4.5      |
| Channel         |            |         |           | 345000                | 348000                   | 352500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1727.5                | 1745                     | 1762.5                 |                     |          |
| 35              | QPSK       | 1       | 1         | 23.01                 | 23.18                    | 22.90                  | 24.0                | 0.0      |
| Channel         |            |         |           | 345000                | 348000                   | 353000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   |                     |          |
| 30              | QPSK       | 1       | 1         | 23.12                 | 23.09                    | 22.94                  | 24.0                | 0.0      |
| Channel         |            |         |           | 344500                | 348000                   | 353500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1722.5                | 1745                     | 1767.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 23.10                 | 23.08                    | 23.09                  | 24.0                | 0.0      |
| Channel         |            |         |           | 344000                | 348000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |
| 20              | QPSK       | 1       | 1         | 23.20                 | 23.06                    | 22.99                  | 24.0                | 0.0      |
| Channel         |            |         |           | 343500                | 348000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 23.22                 | 23.15                    | 23.03                  | 24.0                | 0.0      |
| Channel         |            |         |           | 343000                | 348000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |
| 10              | QPSK       | 1       | 1         | 23.01                 | 23.06                    | 23.02                  | 24.0                | 0.0      |
| Channel         |            |         |           | 342500                | 348000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 22.99                 | 23.18                    | 22.89                  | 24.0                | 0.0      |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 372000                | 376000                   | 380000                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 22.66                 | 22.77                    | 22.60                  |                     |          |
| 20              | PI2 BPSK   | 1       | 53        | 22.74                 | 22.82                    | 22.74                  |                     |          |
| 20              | PI2 BPSK   | 1       | 104       | 22.72                 | 22.78                    | 22.66                  | 23.5                | 0.5      |
| 20              | PI2 BPSK   | 50      | 0         | 22.16                 | 22.15                    | 21.99                  | 24.0                | 0.0      |
| 20              | PI2 BPSK   | 50      | 28        | 22.68                 | 22.74                    | 22.52                  | 24.0                | 0.0      |
| 20              | PI2 BPSK   | 50      | 56        | 22.17                 | 22.20                    | 22.09                  | 23.5                | 0.5      |
| 20              | PI2 BPSK   | 100     | 0         | 22.21                 | 22.19                    | 21.98                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 1         | 22.81                 | 22.83                    | 22.78                  |                     |          |
| 20              | QPSK       | 1       | 53        | 22.81                 | 22.81                    | 22.81                  |                     |          |
| 20              | QPSK       | 1       | 104       | 22.61                 | 22.80                    | 22.74                  |                     |          |
| 20              | QPSK       | 50      | 0         | 21.87                 | 21.69                    | 21.66                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 28        | 22.70                 | 22.75                    | 22.63                  | 24.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 21.57                 | 21.67                    | 21.55                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.85                 | 21.72                    | 21.54                  | 23.0                | 1.0      |
| 20              | 16QAM      | 1       | 1         | 21.69                 | 21.85                    | 21.79                  |                     |          |
| 20              | 64QAM      | 1       | 1         | 20.29                 | 20.39                    | 20.38                  |                     |          |
| 20              | 256QAM     | 1       | 1         | 18.15                 | 18.36                    | 18.32                  |                     |          |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 1867.5                | 1880                     | 1902.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 22.81                 | 22.68                    | 22.67                  |                     |          |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 1865                  | 1880                     | 1905                   |                     |          |
| 10              | QPSK       | 1       | 1         | 22.70                 | 22.67                    | 22.72                  |                     |          |
| Channel         |            |         |           | 370500                | 376000                   | 381500                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 1862.5                | 1880                     | 1907.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 22.77                 | 22.75                    | 22.76                  |                     |          |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 166800                | 167300                   | 167800                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 22.97                 | 23.15                    | 22.84                  |                     |          |
| 20              | PI2 BPSK   | 1       | 53        | 22.97                 | 23.09                    | 23.03                  |                     |          |
| 20              | PI2 BPSK   | 1       | 104       | 23.02                 | 23.04                    | 23.07                  | 23.5                | 0.5      |
| 20              | PI2 BPSK   | 50      | 0         | 22.46                 | 22.37                    | 22.34                  | 24.0                | 0.0      |
| 20              | PI2 BPSK   | 50      | 28        | 22.87                 | 23.13                    | 22.87                  | 24.0                | 0.0      |
| 20              | PI2 BPSK   | 50      | 56        | 22.46                 | 22.39                    | 22.44                  | 23.5                | 0.5      |
| 20              | PI2 BPSK   | 100     | 0         | 22.63                 | 22.54                    | 22.23                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 1         | 23.09                 | 23.16                    | 23.13                  |                     |          |
| 20              | QPSK       | 1       | 53        | 22.99                 | 23.09                    | 23.12                  |                     |          |
| 20              | QPSK       | 1       | 104       | 22.88                 | 23.11                    | 22.95                  |                     |          |
| 20              | QPSK       | 50      | 0         | 22.08                 | 22.03                    | 22.07                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 28        | 23.04                 | 23.07                    | 23.04                  | 24.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 21.93                 | 22.01                    | 21.80                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.90                 | 22.00                    | 21.89                  | 23.0                | 1.0      |
| 20              | 16QAM      | 1       | 1         | 21.93                 | 22.19                    | 22.16                  |                     |          |
| 20              | 64QAM      | 1       | 1         | 20.48                 | 20.74                    | 20.69                  |                     |          |
| 20              | 256QAM     | 1       | 1         | 18.39                 | 18.66                    | 18.53                  |                     |          |
| Channel         |            |         |           | 166300                | 167300                   | 167800                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |
| 15              | QPSK       | 1       | 1         | 23.11                 | 22.99                    | 23.04                  |                     |          |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |          |
| 10              | QPSK       | 1       | 1         | 23.11                 | 23.12                    | 22.93                  |                     |          |
| Channel         |            |         |           | 165300                | 167300                   | 169300                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |
| 5               | QPSK       | 1       | 1         | 22.98                 | 22.97                    | 23.06                  |                     |          |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 504000                | 507000                   | 510000                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |
| 40              | PI2 BPSK   | 1       | 1         | 22.99                 | 23.17                    | 22.76                  |                     |          |
| 40              | PI2 BPSK   | 1       | 135       | 23.00                 | 23.09                    | 22.92                  |                     |          |
| 40              | PI2 BPSK   | 1       | 268       | 23.02                 | 22.96                    | 23.11                  | 23.5                | 0.5      |
| 40              | PI2 BPSK   | 135     | 0         | 22.44                 | 22.31                    | 22.31                  | 24.0                | 0.0      |
| 40              | PI2 BPSK   | 135     | 68        | 22.85                 | 23.13                    | 22.82                  | 24.0                | 0.0      |
| 40              | PI2 BPSK   | 135     | 135       | 22.43                 | 22.38                    | 22.34                  | 23.5                | 0.5      |
| 40              | PI2 BPSK   | 270     | 0         | 22.53                 | 22.44                    | 22.11                  | 24.0                | 0.0      |
| 40              | QPSK       | 1       | 1         | 23.07                 | 23.25                    | 23.13                  |                     |          |
| 40              | QPSK       | 1       | 135       | 22.95                 | 23.01                    | 23.16                  |                     |          |
| 40              | QPSK       | 1       | 268       | 22.79                 | 23.21                    | 22.83                  |                     |          |
| 40              | QPSK       | 135     | 0         | 22.02                 | 22.14                    | 22.12                  | 23.0                | 1.0      |
| 40              | QPSK       | 135     | 68        | 22.94                 | 23.08                    | 23.06                  | 24.0                | 0.0      |
| 40              | QPSK       | 135     | 135       | 21.88                 | 21.92                    | 21.73                  | 23.0                | 1.0      |
| 40              | QPSK       | 270     | 0         | 21.92                 | 22.06                    | 21.98                  | 23.0                | 1.0      |
| 40              | 16QAM      | 1       | 1         | 21.94                 | 22.20                    | 22.24                  |                     |          |
| 40              | 64QAM      | 1       | 1         | 20.52                 | 20.73                    | 20.79                  |                     |          |
| 40              | 256QAM     | 1       | 1         | 18.28                 | 18.68                    | 18.42                  |                     |          |
| Channel         |            |         |           | 503500                | 507000                   | 510500                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |
| 30              | QPSK       | 1       | 1         | 22.95                 | 23.04                    | 23.10                  |                     |          |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 22.98                 | 23.05                    | 23.12                  |                     |          |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 22.89                 | 23.22                    | 22.98                  |                     |          |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 23.01                 | 23.22                    | 22.96                  |                     |          |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 22.94                 | 23.07                    | 22.94                  |                     |          |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 22.87                 | 23.07                    | 22.96                  |                     |          |

| n26 Ant 4       |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 168500                | 169300                   | 167600                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 23.14                 | 23.28                    | 22.94                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 53        | 23.11                 | 23.18                    | 23.12                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 1       | 104       | 23.17                 | 23.10                    | 23.20                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.82                 | 22.40                    | 22.51                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 28        | 23.00                 | 23.32                    | 23.05                  | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 58        | 22.50                 | 22.43                    | 22.61                  |                     |          |  |
| 20              | PI/2 BPSK  | 100     | 0         | 22.73                 | 22.66                    | 22.39                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 23.21                 | 23.39                    | 23.25                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 23.12                 | 23.15                    | 23.20                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.93                 | 23.30                    | 23.08                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.29                 | 22.07                    | 22.10                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 23.15                 | 23.19                    | 23.13                  |                     |          |  |
| 20              | QPSK       | 50      | 58        | 22.96                 | 22.16                    | 21.84                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 21.93                 | 22.02                    | 22.00                  | 23.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 22.00                 | 22.36                    | 22.31                  |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 20.87                 | 20.87                    | 20.74                  |                     | 21.5     |  |
| 20              | 256QAM     | 1       | 1         | 18.52                 | 18.87                    | 18.68                  |                     |          |  |
| Channel         |            |         |           | 168300                | 169300                   | 167800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 23.20                 | 23.26                    | 23.17                  |                     | 24.0     |  |
| Channel         |            |         |           | 163800                | 166300                   | 166800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 117                   | 831.5                    | 841                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 23.04                 | 23.37                    | 23.20                  |                     | 24.0     |  |
| Channel         |            |         |           | 163300                | 166300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 23.16                 | 23.25                    | 23.15                  |                     | 24.0     |  |

| n66 Ant 4       |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 345000                | 349000                   | 350000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 1         | 22.22                 | 22.19                    | 22.31                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 108       | 22.07                 | 22.30                    | 22.09                  | 24.0                | 0.0      |  |
| 40              | PI/2 BPSK  | 1       | 214       | 22.07                 | 22.01                    | 22.19                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 0         | 21.96                 | 21.96                    | 21.92                  |                     | 23.5     |  |
| 40              | PI/2 BPSK  | 108     | 54        | 22.08                 | 22.33                    | 22.05                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 108       | 21.94                 | 21.84                    | 21.72                  | 23.5                | 0.5      |  |
| 40              | PI/2 BPSK  | 216     | 0         | 21.77                 | 21.90                    | 21.58                  |                     |          |  |
| 40              | QPSK       | 1       | 1         | 22.33                 | 22.43                    | 22.36                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 22.31                 | 22.13                    | 22.32                  | 24.0                | 0.0      |  |
| 40              | QPSK       | 1       | 214       | 22.30                 | 22.34                    | 22.14                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 21.56                 | 21.63                    | 21.58                  |                     | 23.0     |  |
| 40              | QPSK       | 108     | 54        | 22.09                 | 22.25                    | 22.09                  |                     |          |  |
| 40              | QPSK       | 108     | 108       | 21.01                 | 21.16                    | 21.86                  | 23.0                | 1.0      |  |
| 40              | QPSK       | 216     | 0         | 21.46                 | 21.47                    | 21.01                  |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 21.05                 | 21.27                    | 21.34                  |                     | 23.0     |  |
| 40              | 64QAM      | 1       | 1         | 19.61                 | 19.91                    | 19.85                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 17.52                 | 17.88                    | 17.78                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 345000                | 349000                   | 350500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1727.5                | 1745                     | 1762.5                 |                     |          |  |
| 35              | QPSK       | 1       | 1         | 22.29                 | 22.22                    | 22.15                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 345000                | 349000                   | 353000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 22.29                 | 22.34                    | 22.27                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 344500                | 349000                   | 353500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1722.5                | 1745                     | 1767.5                 |                     |          |  |
| 25              | QPSK       | 1       | 1         | 22.16                 | 22.37                    | 22.32                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 22.32                 | 22.41                    | 22.16                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.33                 | 22.42                    | 22.33                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.16                 | 22.33                    | 22.38                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 22.16                 | 22.25                    | 22.30                  | 24.0                | 0.0      |  |

| Part27Q n78 Ant 3 |            |         |           |                       |                          |                        |                     |          |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel           |            |         |           | 633334                |                          |                        |                     |          |
| Frequency (MHz)   |            |         |           | 3500.01               |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 1         | 20.48                 |                          |                        | 22.0                | 0.0      |
| 100               | PI/2 BPSK  | 1       | 137       | 20.38                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 271       | 20.34                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 135     | 0         | 19.74                 |                          |                        | 21.5                | 0.5      |
| 100               | PI/2 BPSK  | 135     | 69        | 20.48                 |                          |                        | 22.0                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 138       | 20.01                 |                          |                        | 21.5                | 0.5      |
| 100               | PI/2 BPSK  | 270     | 0         | 19.93                 |                          |                        |                     |          |
| 100               | QPSK       | 1       | 1         | 20.64                 |                          |                        | 22.0                | 0.0      |
| 100               | QPSK       | 1       | 137       | 20.51                 |                          |                        |                     |          |
| 100               | QPSK       | 1       | 271       | 20.47                 |                          |                        |                     |          |
| 100               | QPSK       | 135     | 0         | 19.23                 |                          |                        | 21.0                | 1.0      |
| 100               | QPSK       | 135     | 69        | 20.44                 |                          |                        | 22.0                | 0.0      |
| 100               | QPSK       | 135     | 138       | 19.50                 |                          |                        | 21.0                | 1.0      |
| 100               | QPSK       | 270     | 0         | 19.40                 |                          |                        |                     |          |
| 100               | 16QAM      | 1       | 1         | 19.22                 |                          |                        | 21.0                | 1.0      |
| 100               | 64QAM      | 1       | 1         | 17.72                 |                          |                        | 19.5                | 2.5      |
| 100               | 256QAM     | 1       | 1         | 15.65                 |                          |                        | 17.5                | 4.5      |
| Channel           |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3495                  | 3500.01                  | 3505.02                | (dBm)               | (dB)     |
| 90                | QPSK       | 1       | 1         | 20.47                 | 20.47                    | 20.53                  | 22.0                | 0.0      |
| Channel           |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3490.02               | 3500.01                  | 3510                   | (dBm)               | (dB)     |
| 80                | QPSK       | 1       | 1         | 20.48                 | 20.52                    | 20.57                  | 22.0                | 0.0      |
| Channel           |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3485.01               | 3500.01                  | 3515.01                | (dBm)               | (dB)     |
| 70                | QPSK       | 1       | 1         | 20.47                 | 20.51                    | 20.62                  | 22.0                | 0.0      |
| Channel           |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3480                  | 3500.01                  | 3520.02                | (dBm)               | (dB)     |
| 60                | QPSK       | 1       | 1         | 20.52                 | 20.44                    | 20.60                  | 22.0                | 0.0      |
| Channel           |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3475.02               | 3500.01                  | 3525                   | (dBm)               | (dB)     |
| 50                | QPSK       | 1       | 1         | 20.43                 | 20.47                    | 20.50                  | 22.0                | 0.0      |
| Channel           |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3470.01               | 3500.01                  | 3530.01                | (dBm)               | (dB)     |
| 40                | QPSK       | 1       | 1         | 20.42                 | 20.49                    | 20.45                  | 22.0                | 0.0      |
| Channel           |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3465                  | 3500.01                  | 3535.02                | (dBm)               | (dB)     |
| 30                | QPSK       | 1       | 1         | 20.45                 | 20.51                    | 20.58                  | 22.0                | 0.0      |
| Channel           |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3460.02               | 3500.01                  | 3540                   | (dBm)               | (dB)     |
| 20                | QPSK       | 1       | 1         | 20.54                 | 20.53                    | 20.48                  | 22.0                | 0.0      |
| Channel           |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3457.5                | 3500.01                  | 3542.52                | (dBm)               | (dB)     |
| 15                | QPSK       | 1       | 1         | 20.55                 | 20.50                    | 20.52                  | 22.0                | 0.0      |
| Channel           |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3455.01               | 3500.01                  | 3545.01                | (dBm)               | (dB)     |
| 10                | QPSK       | 1       | 1         | 20.52                 | 20.47                    | 20.51                  | 22.0                | 0.0      |

| Part27Q n78 Ant 5 |            |         |           |                             |                                |                              |                        |             |
|-------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3495                        | 3500.01                        | 3505.02                      |                        |             |
| 100               | PI/2 BPSK  | 1       | 1         | 23.50                       | 23.62                          | 23.53                        | 24.0                   | 0.0         |
| 100               | PI/2 BPSK  | 1       | 137       | 632668                      | 633334                         | 634000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 100               | PI/2 BPSK  | 1       | 271       | 3490.02                     | 3500.01                        | 3510                         |                        |             |
| 100               | PI/2 BPSK  | 135     | 0         | 23.56                       | 23.49                          | 23.65                        | 24.0                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 69        | 632334                      | 633334                         | 634334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 100               | PI/2 BPSK  | 135     | 138       | 3485.01                     | 3500.01                        | 3515.01                      |                        |             |
| 100               | PI/2 BPSK  | 270     | 0         | 23.53                       | 23.54                          | 23.51                        | 24.0                   | 0.0         |
| 100               | QPSK       | 1       | 1         | 632000                      | 633334                         | 634668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 100               | QPSK       | 1       | 137       | 3480                        | 3500.01                        | 3520.02                      |                        |             |
| 100               | QPSK       | 1       | 271       | 23.50                       | 23.67                          | 23.64                        | 24.0                   | 0.0         |
| 100               | QPSK       | 135     | 0         | 631668                      | 633334                         | 635000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 100               | QPSK       | 135     | 69        | 3475.02                     | 3500.01                        | 3525                         |                        |             |
| 100               | QPSK       | 135     | 138       | 23.55                       | 23.50                          | 23.54                        | 24.0                   | 0.0         |
| 100               | QPSK       | 270     | 0         | 631334                      | 633334                         | 635334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 100               | 16QAM      | 1       | 1         | 3470.01                     | 3500.01                        | 3530.01                      |                        |             |
| 100               | 64QAM      | 1       | 1         | 23.49                       | 23.58                          | 23.53                        | 24.0                   | 0.0         |
| 100               | 256QAM     | 1       | 1         | 631000                      | 633334                         | 635668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 3465                        | 3500.01                        | 3535.02                      |                        |             |
| Frequency (MHz)   |            |         |           | 23.59                       | 23.57                          | 23.61                        | 24.0                   | 0.0         |
| 80                | QPSK       | 1       | 1         | 630668                      | 633334                         | 636000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 3460.02                     | 3500.01                        | 3540                         |                        |             |
| Frequency (MHz)   |            |         |           | 23.49                       | 23.62                          | 23.58                        | 24.0                   | 0.0         |
| 70                | QPSK       | 1       | 1         | 630500                      | 633334                         | 636168                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 3467.5                      | 3500.01                        | 3542.52                      |                        |             |
| Frequency (MHz)   |            |         |           | 23.53                       | 23.64                          | 23.63                        | 24.0                   | 0.0         |
| 60                | QPSK       | 1       | 1         | 630334                      | 633334                         | 636334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 3455.01                     | 3500.01                        | 3545.01                      |                        |             |
| Frequency (MHz)   |            |         |           | 23.56                       | 23.64                          | 23.61                        | 24.0                   | 0.0         |
| 50                | QPSK       | 1       | 1         |                             |                                |                              |                        |             |
| 40                | QPSK       | 1       | 1         |                             |                                |                              |                        |             |
| 30                | QPSK       | 1       | 1         |                             |                                |                              |                        |             |
| 20                | QPSK       | 1       | 1         |                             |                                |                              |                        |             |
| 15                | QPSK       | 1       | 1         |                             |                                |                              |                        |             |
| 10                | QPSK       | 1       | 1         |                             |                                |                              |                        |             |

| Part27Q n78 Ant 7 |            |         |           |                       |                          |                        |                     |          |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel           |            |         |           | 633334                |                          |                        | 23.0                | 0.0      |
| Frequency (MHz)   |            |         |           | 3500.01               |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 1         |                       | 22.23                    |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 137       |                       | 22.16                    |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 271       |                       | 22.04                    |                        |                     |          |
| 100               | PI/2 BPSK  | 135     | 0         |                       | 21.71                    |                        | 22.5                | 0.5      |
| 100               | PI/2 BPSK  | 135     | 69        |                       | 22.11                    |                        | 23.0                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 138       |                       | 21.55                    |                        | 22.5                | 0.5      |
| 100               | PI/2 BPSK  | 270     | 0         |                       | 21.61                    |                        |                     |          |
| 100               | QPSK       | 1       | 1         |                       | 22.28                    |                        | 23.0                | 0.0      |
| 100               | QPSK       | 1       | 137       |                       | 22.19                    |                        |                     |          |
| 100               | QPSK       | 1       | 271       |                       | 22.09                    |                        |                     |          |
| 100               | QPSK       | 135     | 0         |                       | 21.22                    |                        | 22.0                | 1.0      |
| 100               | QPSK       | 135     | 69        |                       | 22.17                    |                        | 23.0                | 0.0      |
| 100               | QPSK       | 135     | 138       |                       | 20.98                    |                        | 22.0                | 1.0      |
| 100               | QPSK       | 270     | 0         |                       | 21.04                    |                        |                     |          |
| 100               | 16QAM      | 1       | 1         |                       | 21.05                    |                        | 22.0                | 1.0      |
| 100               | 64QAM      | 1       | 1         |                       | 19.44                    |                        | 20.5                | 2.5      |
| 100               | 256QAM     | 1       | 1         |                       | 17.84                    |                        | 18.5                | 4.5      |
| Channel           |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3495                  | 3500.01                  | 3505.02                | (dBm)               | (dB)     |
| 90                | QPSK       | 1       | 1         | 22.13                 | 22.17                    | 22.12                  | 23.0                | 0.0      |
| Channel           |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3490.02               | 3500.01                  | 3510                   | (dBm)               | (dB)     |
| 80                | QPSK       | 1       | 1         | 22.17                 | 22.23                    | 22.11                  | 23.0                | 0.0      |
| Channel           |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3485.01               | 3500.01                  | 3515.01                | (dBm)               | (dB)     |
| 70                | QPSK       | 1       | 1         | 22.18                 | 22.16                    | 22.12                  | 23.0                | 0.0      |
| Channel           |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3480                  | 3500.01                  | 3520.02                | (dBm)               | (dB)     |
| 60                | QPSK       | 1       | 1         | 22.25                 | 22.13                    | 22.14                  | 23.0                | 0.0      |
| Channel           |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3475.02               | 3500.01                  | 3525                   | (dBm)               | (dB)     |
| 50                | QPSK       | 1       | 1         | 22.13                 | 22.11                    | 22.24                  | 23.0                | 0.0      |
| Channel           |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3470.01               | 3500.01                  | 3530.01                | (dBm)               | (dB)     |
| 40                | QPSK       | 1       | 1         | 22.19                 | 22.14                    | 22.23                  | 23.0                | 0.0      |
| Channel           |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3465                  | 3500.01                  | 3535.02                | (dBm)               | (dB)     |
| 30                | QPSK       | 1       | 1         | 22.22                 | 22.13                    | 22.25                  | 23.0                | 0.0      |
| Channel           |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3460.02               | 3500.01                  | 3540                   | (dBm)               | (dB)     |
| 20                | QPSK       | 1       | 1         | 22.23                 | 22.18                    | 22.18                  | 23.0                | 0.0      |
| Channel           |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3457.5                | 3500.01                  | 3542.52                | (dBm)               | (dB)     |
| 15                | QPSK       | 1       | 1         | 22.15                 | 22.15                    | 22.12                  | 23.0                | 0.0      |
| Channel           |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3455.01               | 3500.01                  | 3545.01                | (dBm)               | (dB)     |
| 10                | QPSK       | 1       | 1         | 22.21                 | 22.23                    | 22.21                  | 23.0                | 0.0      |

| Part27Q n78 Ant 9 |            |         |           |                       |                          |                        |                     |          |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel           |            |         |           | 633334                |                          |                        | 22.0                | 0.0      |
| Frequency (MHz)   |            |         |           | 3500.01               |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 1         | 20.52                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 137       | 20.65                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 271       | 20.71                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 135     | 0         | 20.22                 |                          |                        | 21.5                | 0.5      |
| 100               | PI/2 BPSK  | 135     | 69        | 20.63                 |                          |                        | 22.0                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 138       | 20.18                 |                          |                        | 21.5                | 0.5      |
| 100               | PI/2 BPSK  | 270     | 0         | 20.11                 |                          |                        |                     |          |
| 100               | QPSK       | 1       | 1         | 20.79                 |                          |                        | 22.0                | 0.0      |
| 100               | QPSK       | 1       | 137       | 20.66                 |                          |                        |                     |          |
| 100               | QPSK       | 1       | 271       | 20.68                 |                          |                        |                     |          |
| 100               | QPSK       | 135     | 0         | 19.72                 |                          |                        | 21.0                | 1.0      |
| 100               | QPSK       | 135     | 69        | 20.75                 |                          |                        | 22.0                | 0.0      |
| 100               | QPSK       | 135     | 138       | 19.66                 |                          |                        | 21.0                | 1.0      |
| 100               | QPSK       | 270     | 0         | 19.72                 |                          |                        |                     |          |
| 100               | 16QAM      | 1       | 1         | 19.71                 |                          |                        | 21.0                | 1.0      |
| 100               | 64QAM      | 1       | 1         | 18.18                 |                          |                        | 19.5                | 2.5      |
| 100               | 256QAM     | 1       | 1         | 16.16                 |                          |                        | 17.5                | 4.5      |
| Channel           |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3495                  | 3500.01                  | 3505.02                | (dBm)               | (dB)     |
| 90                | QPSK       | 1       | 1         | 20.66                 | 20.75                    | 20.57                  | 22.0                | 0.0      |
| Channel           |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3490.02               | 3500.01                  | 3510                   | (dBm)               | (dB)     |
| 80                | QPSK       | 1       | 1         | 20.61                 | 20.63                    | 20.64                  | 22.0                | 0.0      |
| Channel           |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3485.01               | 3500.01                  | 3515.01                | (dBm)               | (dB)     |
| 70                | QPSK       | 1       | 1         | 20.74                 | 20.72                    | 20.65                  | 22.0                | 0.0      |
| Channel           |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3480                  | 3500.01                  | 3520.02                | (dBm)               | (dB)     |
| 60                | QPSK       | 1       | 1         | 20.71                 | 20.62                    | 20.66                  | 22.0                | 0.0      |
| Channel           |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3475.02               | 3500.01                  | 3525                   | (dBm)               | (dB)     |
| 50                | QPSK       | 1       | 1         | 20.75                 | 20.59                    | 20.76                  | 22.0                | 0.0      |
| Channel           |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3470.01               | 3500.01                  | 3530.01                | (dBm)               | (dB)     |
| 40                | QPSK       | 1       | 1         | 20.64                 | 20.66                    | 20.66                  | 22.0                | 0.0      |
| Channel           |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3465                  | 3500.01                  | 3535.02                | (dBm)               | (dB)     |
| 30                | QPSK       | 1       | 1         | 20.59                 | 20.75                    | 20.66                  | 22.0                | 0.0      |
| Channel           |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3460.02               | 3500.01                  | 3540                   | (dBm)               | (dB)     |
| 20                | QPSK       | 1       | 1         | 20.69                 | 20.73                    | 20.78                  | 22.0                | 0.0      |
| Channel           |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3457.5                | 3500.01                  | 3542.52                | (dBm)               | (dB)     |
| 15                | QPSK       | 1       | 1         | 20.60                 | 20.65                    | 20.68                  | 22.0                | 0.0      |
| Channel           |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3455.01               | 3500.01                  | 3545.01                | (dBm)               | (dB)     |
| 10                | QPSK       | 1       | 1         | 20.72                 | 20.71                    | 20.61                  | 22.0                | 0.0      |

## Reduced Power Mode for DS12

| n5 Ant 0        |            |         |           |                       |                          |                        |                     |          |     |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel         |            |         |           | 166800                | 167300                   | 167800                 | 24.0                | 0.0      |     |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |     |
| 20              | Pi/2 BPSK  | 1       | 1         | 23.11                 | 23.21                    | 23.17                  |                     |          |     |
| 20              | Pi/2 BPSK  | 1       | 53        | 23.01                 | 23.18                    | 23.10                  | 23.5                | 0.5      |     |
| 20              | Pi/2 BPSK  | 1       | 104       | 23.03                 | 23.04                    | 22.92                  |                     |          |     |
| 20              | Pi/2 BPSK  | 50      | 0         | 22.53                 | 22.65                    | 22.65                  |                     | 24.0     | 0.0 |
| 20              | Pi/2 BPSK  | 50      | 28        | 22.97                 | 23.14                    | 23.15                  |                     |          |     |
| 20              | Pi/2 BPSK  | 50      | 56        | 22.39                 | 22.58                    | 22.38                  | 23.5                |          | 0.5 |
| 20              | Pi/2 BPSK  | 100     | 0         | 22.54                 | 22.63                    | 22.52                  |                     |          |     |
| 20              | QPSK       | 1       | 1         | 23.23                 | 23.25                    | 23.24                  |                     | 24.0     | 0.0 |
| 20              | QPSK       | 1       | 53        | 23.14                 | 23.15                    | 23.00                  |                     |          |     |
| 20              | QPSK       | 1       | 104       | 22.92                 | 23.07                    | 23.08                  | 23.0                |          | 1.0 |
| 20              | QPSK       | 50      | 0         | 22.01                 | 22.19                    | 22.20                  |                     |          |     |
| 20              | QPSK       | 50      | 28        | 23.11                 | 23.13                    | 22.97                  |                     | 24.0     | 0.0 |
| 20              | QPSK       | 50      | 56        | 22.00                 | 22.12                    | 22.13                  |                     |          |     |
| 20              | QPSK       | 100     | 0         | 22.15                 | 22.17                    | 22.10                  | 23.0                |          | 1.0 |
| 20              | 16QAM      | 1       | 1         | 22.17                 | 22.36                    | 22.16                  |                     |          |     |
| 20              | 64QAM      | 1       | 1         | 20.82                 | 20.86                    | 20.86                  |                     | 21.5     | 2.5 |
| 20              | 256QAM     | 1       | 1         | 18.85                 | 18.87                    | 18.80                  | 19.5                |          |     |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 |                     | 24.0     | 0.0 |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |     |
| 15              | QPSK       | 1       | 1         | 23.21                 | 23.07                    | 23.16                  | 24.0                |          | 0.0 |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 | 24.0                | 0.0      |     |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |          |     |
| 10              | QPSK       | 1       | 1         | 23.03                 | 23.16                    | 23.18                  |                     | 24.0     |     |
| Channel         |            |         |           | 165300                | 167300                   | 169300                 | 24.0                | 0.0      |     |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |     |
| 5               | QPSK       | 1       | 1         | 23.05                 | 23.06                    | 23.16                  |                     | 24.0     |     |

| n26 Ant 0       |            |         |           |                      |                         |                       |                     |          |  |
|-----------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq | Power Middle Ch. / Freq | Power High Ch. / Freq | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 164800               | 166300                  | 167800                | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 824                  | 831.5                   | 839                   |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 23.57                | 23.48                   | 23.54                 |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 53        | 23.43                | 23.45                   | 23.63                 | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 104       | 23.57                | 23.64                   | 23.41                 |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 23.07                | 23.20                   | 23.11                 |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 28        | 23.56                | 23.51                   | 23.43                 | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 23.04                | 23.15                   | 23.06                 | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 23.02                | 23.22                   | 23.19                 | 23.5                | 0.5      |  |
| 20              | QPSK       | 1       | 1         | 23.58                | 23.65                   | 23.62                 | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 23.37                | 23.65                   | 23.49                 |                     |          |  |
| 20              | QPSK       | 1       | 104       | 23.54                | 23.54                   | 23.44                 |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.67                | 22.67                   | 22.56                 | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 23.50                | 23.52                   | 23.45                 | 24.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 22.53                | 22.70                   | 22.71                 | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 22.51                | 22.58                   | 22.57                 |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 22.47                | 22.60                   | 22.61                 |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 21.03                | 21.12                   | 21.03                 | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 19.02                | 19.16                   | 19.07                 | 19.5                | 4.5      |  |
| Channel         |            |         |           | 164300               | 166300                  | 168300                | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 821.5                | 831.5                   | 841.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 23.51                | 23.60                   | 23.42                 |                     |          |  |
| Channel         |            |         |           | 163800               | 166300                  | 168800                | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 819                  | 831.5                   | 844                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 23.54                | 23.47                   | 23.44                 |                     |          |  |
| Channel         |            |         |           | 163300               | 166300                  | 169300                | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 816.5                | 831.5                   | 846.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 23.48                | 23.50                   | 23.53                 |                     |          |  |

n2 Ant 1

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 372000                | 376000                   | 380000                 |                     |          |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |
| 20              | PV2 BPSK   | 1       | 1         | 23.45                 | 23.45                    | 23.26                  |                     |          |
| 20              | PV2 BPSK   | 1       | 53        | 23.41                 | 23.44                    | 23.25                  | 24.0                | 0.0      |
| 20              | PV2 BPSK   | 1       | 104       | 23.27                 | 23.47                    | 23.30                  | 23.5                | 0.5      |
| 20              | PV2 BPSK   | 50      | 0         | 22.76                 | 22.81                    | 22.82                  | 23.5                | 0.5      |
| 20              | PV2 BPSK   | 50      | 28        | 23.40                 | 23.43                    | 23.41                  | 24.0                | 0.0      |
| 20              | PV2 BPSK   | 50      | 56        | 22.73                 | 22.88                    | 22.87                  | 23.5                | 0.5      |
| 20              | PV2 BPSK   | 100     | 0         | 22.79                 | 22.91                    | 22.73                  |                     |          |
| 20              | QPSK       | 1       | 1         | 23.45                 | 23.46                    | 23.43                  |                     |          |
| 20              | QPSK       | 1       | 53        | 23.40                 | 23.45                    | 23.39                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 104       | 23.45                 | 23.43                    | 23.31                  |                     |          |
| 20              | QPSK       | 50      | 0         | 22.32                 | 22.42                    | 22.29                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 28        | 23.24                 | 23.43                    | 23.30                  | 24.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 22.26                 | 22.36                    | 22.38                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 22.34                 | 22.41                    | 22.32                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 22.46                 | 22.58                    | 22.52                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 21.12                 | 21.11                    | 21.00                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.88                 | 19.06                    | 18.93                  | 19.5                | 4.5      |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1867.5                | 1880                     | 1902.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 23.44                 | 23.40                    | 23.37                  | 24.0                | 0.0      |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1905                  | 1920                     | 1905                   |                     |          |
| 10              | QPSK       | 1       | 1         | 23.26                 | 23.40                    | 23.39                  | 24.0                | 0.0      |
| Channel         |            |         |           | 375500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1862.5                | 1880                     | 1907.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 23.34                 | 23.41                    | 23.44                  | 24.0                | 0.0      |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 504000                | 507000                   | 510000                 |                     |          |
| Frequency (MHz) |            |         |           | 2620                  | 2635                     | 2650                   |                     |          |
| 40              | PV2 BPSK   | 1       | 1         | 23.46                 | 23.38                    | 23.22                  |                     |          |
| 40              | PV2 BPSK   | 1       | 135       | 23.41                 | 23.27                    | 23.24                  | 24.0                | 0.0      |
| 40              | PV2 BPSK   | 1       | 268       | 23.13                 | 23.41                    | 23.19                  | 23.5                | 0.5      |
| 40              | PV2 BPSK   | 135     | 0         | 22.57                 | 22.73                    | 22.66                  | 23.5                | 0.5      |
| 40              | PV2 BPSK   | 135     | 68        | 23.20                 | 23.33                    | 23.34                  | 24.0                | 0.0      |
| 40              | PV2 BPSK   | 135     | 135       | 22.56                 | 22.84                    | 22.69                  | 23.5                | 0.5      |
| 40              | PV2 BPSK   | 270     | 0         | 22.73                 | 22.91                    | 22.58                  |                     |          |
| 40              | QPSK       | 1       | 1         | 23.42                 | 23.47                    | 23.29                  |                     |          |
| 40              | QPSK       | 1       | 135       | 23.22                 | 23.27                    | 23.35                  | 24.0                | 0.0      |
| 40              | QPSK       | 1       | 268       | 23.28                 | 23.38                    | 23.17                  |                     |          |
| 40              | QPSK       | 135     | 0         | 22.13                 | 22.42                    | 22.21                  | 23.0                | 1.0      |
| 40              | QPSK       | 135     | 68        | 23.06                 | 23.25                    | 23.09                  | 24.0                | 0.0      |
| 40              | QPSK       | 135     | 135       | 22.16                 | 22.18                    | 22.36                  | 23.0                | 1.0      |
| 40              | QPSK       | 270     | 0         | 22.28                 | 22.41                    | 22.21                  |                     |          |
| 40              | 16QAM      | 1       | 1         | 22.46                 | 22.38                    | 22.36                  | 23.0                | 1.0      |
| 40              | 64QAM      | 1       | 1         | 21.09                 | 20.98                    | 21.00                  | 21.5                | 2.5      |
| 40              | 256QAM     | 1       | 1         | 18.84                 | 18.96                    | 18.77                  | 19.5                | 4.5      |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2615                  | 2635                     | 2655                   |                     |          |
| 30              | QPSK       | 1       | 1         | 23.20                 | 23.38                    | 23.25                  | 24.0                | 0.0      |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2612.5                | 2635                     | 2657.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 23.39                 | 23.30                    | 23.20                  | 24.0                | 0.0      |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2610                  | 2635                     | 2650                   |                     |          |
| 20              | PV2 BPSK   | 1       | 1         | 23.23                 | 23.32                    | 23.11                  | 24.0                | 0.0      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2607.5                | 2635                     | 2662.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 23.42                 | 23.37                    | 23.08                  | #REF!               | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2605                  | 2635                     | 2665                   |                     |          |
| 10              | QPSK       | 1       | 1         | 23.33                 | 23.40                    | 23.20                  | 24.0                | 0.0      |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2592.5                | 2635                     | 2667.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 23.42                 | 23.36                    | 23.06                  | 24.0                | 0.0      |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 346000                | 348000                   | 350000                 |                     |          |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |
| 40              | PV2 BPSK   | 1       | 1         | 23.13                 | 23.02                    | 22.98                  |                     |          |
| 40              | PV2 BPSK   | 1       | 108       | 23.10                 | 22.86                    | 23.03                  | 24.0                | 0.0      |
| 40              | PV2 BPSK   | 1       | 214       | 22.76                 | 23.04                    | 22.79                  | 23.5                | 0.5      |
| 40              | PV2 BPSK   | 108     | 0         | 22.37                 | 22.50                    | 22.34                  | 23.5                | 0.5      |
| 40              | PV2 BPSK   | 108     | 54        | 22.86                 | 23.01                    | 23.03                  | 24.0                | 0.0      |
| 40              | PV2 BPSK   | 108     | 108       | 22.15                 | 22.83                    | 22.37                  | 23.5                | 0.5      |
| 40              | PV2 BPSK   | 216     | 0         | 22.51                 | 22.53                    | 22.38                  |                     |          |
| 40              | QPSK       | 1       | 1         | 23.21                 | 23.25                    | 23.11                  |                     |          |
| 40              | QPSK       | 1       | 108       | 23.03                 | 23.07                    | 23.17                  | 24.0                | 0.0      |
| 40              | QPSK       | 1       | 214       | 22.88                 | 23.05                    | 22.78                  |                     |          |
| 40              | QPSK       | 108     | 0         | 21.73                 | 22.00                    | 21.95                  | 23.0                | 1.0      |
| 40              | QPSK       | 108     | 54        | 22.73                 | 22.87                    | 22.85                  | 24.0                | 0.0      |
| 40              | QPSK       | 108     | 108       | 21.94                 | 21.95                    | 22.14                  | 23.0                | 1.0      |
| 40              | QPSK       | 216     | 0         | 21.89                 | 22.15                    | 22.01                  |                     |          |
| 40              | 16QAM      | 1       | 1         | 22.14                 | 22.20                    | 22.04                  | 23.0                | 1.0      |
| 40              | 64QAM      | 1       | 1         | 20.89                 | 20.88                    | 20.79                  | 21.5                | 2.5      |
| 40              | 256QAM     | 1       | 1         | 18.47                 | 18.57                    | 18.37                  | 19.5                | 4.5      |
| Channel         |            |         |           | 345000                | 348000                   | 352500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1727.5                | 1745                     | 1762.5                 |                     |          |
| 35              | QPSK       | 1       | 1         | 23.01                 | 23.18                    | 22.90                  | #VALUE!             | 0.0      |
| Channel         |            |         |           | 345000                | 348000                   | 353000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   |                     |          |
| 30              | QPSK       | 1       | 1         | 23.12                 | 23.09                    | 22.94                  | 24.0                | 0.0      |
| Channel         |            |         |           | 344500                | 348000                   | 353500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1722.5                | 1745                     | 1767.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 23.10                 | 23.08                    | 23.09                  | 24.0                | 0.0      |
| Channel         |            |         |           | 344000                | 348000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |
| 20              | QPSK       | 1       | 1         | 23.20                 | 23.06                    | 22.99                  | 24.0                | 0.0      |
| Channel         |            |         |           | 343500                | 348000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 23.22                 | 23.15                    | 23.03                  | 24.0                | 0.0      |
| Channel         |            |         |           | 343000                | 348000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |
| 10              | QPSK       | 1       | 1         | 23.01                 | 23.06                    | 23.02                  | 24.0                | 0.0      |
| Channel         |            |         |           | 342500                | 348000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 22.99                 | 23.18                    | 22.89                  | 24.0                | 0.0      |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 372000                | 376000                   | 380000                 |                     |          |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 19.08                 | 19.18                    | 18.97                  |                     |          |
| 20              | PI2 BPSK   | 1       | 53        | 19.20                 | 19.20                    | 19.03                  | 20.2                | 0.0      |
| 20              | PI2 BPSK   | 1       | 104       | 19.11                 | 19.29                    | 19.00                  | 20.2                | 0.0      |
| 20              | PI2 BPSK   | 50      | 0         | 19.17                 | 19.12                    | 19.05                  | 20.2                | 0.0      |
| 20              | PI2 BPSK   | 50      | 28        | 19.04                 | 19.30                    | 19.12                  | 20.2                | 0.0      |
| 20              | PI2 BPSK   | 50      | 58        | 19.01                 | 19.11                    | 19.07                  | 20.2                | 0.0      |
| 20              | PI2 BPSK   | 100     | 0         | 19.13                 | 19.30                    | 19.01                  |                     |          |
| 20              | QPSK       | 1       | 1         | 19.22                 | 19.31                    | 19.16                  | 20.2                | 0.0      |
| 20              | QPSK       | 1       | 53        | 19.13                 | 19.20                    | 18.95                  |                     |          |
| 20              | QPSK       | 1       | 104       | 19.02                 | 19.24                    | 19.05                  |                     |          |
| 20              | QPSK       | 50      | 0         | 19.13                 | 19.17                    | 19.00                  | 20.2                | 0.0      |
| 20              | QPSK       | 50      | 28        | 19.18                 | 19.27                    | 19.21                  | 20.2                | 0.0      |
| 20              | QPSK       | 50      | 58        | 19.06                 | 19.13                    | 19.02                  | 20.2                | 0.0      |
| 20              | QPSK       | 100     | 0         | 19.05                 | 19.14                    | 19.03                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 19.03                 | 19.24                    | 19.16                  | 20.2                | 0.0      |
| 20              | 64QAM      | 1       | 1         | 19.06                 | 19.15                    | 19.00                  | 20.2                | 0.0      |
| 20              | 256QAM     | 1       | 1         | 19.15                 | 19.36                    | 19.32                  | 19.5                | 0.7      |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 19.23                 | 19.16                    | 18.98                  | 20.2                | 0.0      |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1905                  | 1900                     | 1905                   |                     |          |
| 10              | QPSK       | 1       | 1         | 19.06                 | 19.30                    | 19.02                  | 20.2                | 0.0      |
| Channel         |            |         |           | 375500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 19.14                 | 19.28                    | 19.13                  | 20.2                | 0.0      |

n5 Ant 4 DSI2

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 166800                | 167300                   | 167800                 |                     |          |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 21.42                 | 21.84                    | 21.67                  |                     |          |
| 20              | PI2 BPSK   | 1       | 53        | 21.56                 | 21.70                    | 21.55                  | 23.0                | 0.0      |
| 20              | PI2 BPSK   | 1       | 104       | 21.38                 | 21.61                    | 21.61                  | 23.0                | 0.0      |
| 20              | PI2 BPSK   | 50      | 0         | 21.61                 | 21.79                    | 21.54                  | 23.0                | 0.0      |
| 20              | PI2 BPSK   | 50      | 28        | 21.61                 | 21.82                    | 21.37                  | 23.0                | 0.0      |
| 20              | PI2 BPSK   | 50      | 58        | 21.60                 | 21.64                    | 21.67                  | 23.0                | 0.0      |
| 20              | PI2 BPSK   | 100     | 0         | 21.66                 | 21.75                    | 21.54                  |                     |          |
| 20              | QPSK       | 1       | 1         | 21.65                 | 21.93                    | 21.57                  | 23.0                | 0.0      |
| 20              | QPSK       | 1       | 53        | 21.68                 | 21.84                    | 21.58                  |                     |          |
| 20              | QPSK       | 1       | 104       | 21.51                 | 21.81                    | 21.57                  |                     |          |
| 20              | QPSK       | 50      | 0         | 21.59                 | 21.73                    | 21.57                  | 23.0                | 0.0      |
| 20              | QPSK       | 50      | 28        | 21.63                 | 21.79                    | 21.61                  | 23.0                | 0.0      |
| 20              | QPSK       | 50      | 58        | 21.58                 | 21.60                    | 21.54                  | 23.0                | 0.0      |
| 20              | QPSK       | 100     | 0         | 21.55                 | 21.78                    | 21.71                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.44                 | 21.73                    | 21.54                  | 23.0                | 0.0      |
| 20              | 64QAM      | 1       | 1         | 20.48                 | 20.74                    | 20.69                  | 21.5                | 1.5      |
| 20              | 256QAM     | 1       | 1         | 18.39                 | 18.66                    | 18.53                  | 19.5                | 3.5      |
| Channel         |            |         |           | 165300                | 167300                   | 167300                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |
| 15              | QPSK       | 1       | 1         | 21.53                 | 21.71                    | 21.64                  | 23.0                | 0.0      |
| Channel         |            |         |           | 166800                | 167300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 820                   | 836.5                    | 844                    |                     |          |
| 10              | QPSK       | 1       | 1         | 21.39                 | 21.85                    | 21.64                  | 23.0                | 0.0      |
| Channel         |            |         |           | 165300                | 167300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |
| 5               | QPSK       | 1       | 1         | 21.48                 | 21.68                    | 21.52                  | 23.0                | 0.0      |

n7 Ant 4 DSI2

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 504000                | 507000                   | 510000                 |                     |          |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |
| 40              | PI2 BPSK   | 1       | 1         | 18.00                 | 18.08                    | 18.05                  |                     |          |
| 40              | PI2 BPSK   | 1       | 135       | 17.84                 | 18.16                    | 17.85                  | 18.8                | 0.0      |
| 40              | PI2 BPSK   | 1       | 268       | 18.07                 | 18.14                    | 18.02                  |                     |          |
| 40              | PI2 BPSK   | 135     | 0         | 18.01                 | 18.09                    | 17.98                  | 18.8                | 0.0      |
| 40              | PI2 BPSK   | 135     | 68        | 18.03                 | 18.17                    | 17.85                  | 18.8                | 0.0      |
| 40              | PI2 BPSK   | 135     | 135       | 18.06                 | 18.07                    | 17.86                  | 18.8                | 0.0      |
| 40              | PI2 BPSK   | 270     | 0         | 18.10                 | 18.01                    | 17.95                  |                     |          |
| 40              | QPSK       | 1       | 1         | 18.13                 | 18.16                    | 18.05                  |                     |          |
| 40              | QPSK       | 1       | 135       | 18.11                 | 18.17                    | 17.95                  | 18.8                | 0.0      |
| 40              | QPSK       | 1       | 268       | 17.98                 | 18.03                    | 17.89                  |                     |          |
| 40              | QPSK       | 135     | 0         | 18.06                 | 18.14                    | 18.07                  | 18.8                | 0.0      |
| 40              | QPSK       | 135     | 68        | 18.01                 | 18.15                    | 17.89                  | 18.8                | 0.0      |
| 40              | QPSK       | 135     | 135       | 18.03                 | 18.07                    | 17.86                  | 18.8                | 0.0      |
| 40              | QPSK       | 270     | 0         | 17.99                 | 18.01                    | 17.85                  |                     |          |
| 40              | 16QAM      | 1       | 1         | 17.94                 | 18.10                    | 17.94                  | 18.8                | 0.0      |
| 40              | 64QAM      | 1       | 1         | 18.02                 | 18.09                    | 17.83                  | 18.8                | 0.0      |
| 40              | 256QAM     | 1       | 1         | 18.07                 | 17.99                    | 17.96                  | 18.8                | 0.0      |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |
| 30              | QPSK       | 1       | 1         | 18.02                 | 18.12                    | 17.98                  | 18.8                | 0.0      |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 18.12                 | 18.07                    | 18.04                  | 18.8                | 0.0      |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 18.09                 | 18.05                    | 17.88                  | 18.8                | 0.0      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 18.05                 | 18.07                    | 17.89                  | 18.8                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 18.07                 | 17.99                    | 17.91                  | 18.8                | 0.0      |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 17.97                 | 18.15                    | 18.06                  | 18.8                | 0.0      |

| n26 Ant 4 DSI2  |            |         |           |                      |                         |                       |                     |          |  |
|-----------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq | Power Middle Ch. / Freq | Power High Ch. / Freq | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 168500               | 169300                  | 167600                | 23.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 824                  | 831.5                   | 839                   |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 21.56                | 21.84                   | 21.68                 |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 21.64                | 21.84                   | 21.65                 |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 21.57                | 21.78                   | 21.73                 | 23.0                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 0         | 21.72                | 21.83                   | 21.81                 | 23.0                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 28        | 21.73                | 21.97                   | 21.55                 | 23.0                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 58        | 21.71                | 21.82                   | 21.72                 | 23.0                | 0.0      |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.75                | 21.77                   | 21.73                 | 23.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 21.75                | 21.98                   | 21.78                 |                     |          |  |
| 20              | QPSK       | 1       | 53        | 21.74                | 21.89                   | 21.83                 |                     |          |  |
| 20              | QPSK       | 1       | 104       | 21.71                | 21.89                   | 21.78                 |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.73                | 21.86                   | 21.73                 | 23.0                | 0.0      |  |
| 20              | QPSK       | 50      | 28        | 21.84                | 21.87                   | 21.82                 | 23.0                | 0.0      |  |
| 20              | QPSK       | 50      | 58        | 21.81                | 21.78                   | 21.86                 | 23.0                | 0.0      |  |
| 20              | QPSK       | 100     | 0         | 21.56                | 21.95                   | 21.77                 | 23.0                | 0.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.65                | 21.86                   | 21.89                 | 23.0                | 0.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.87                | 20.87                   | 20.74                 | 21.5                | 1.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.52                | 18.87                   | 18.68                 | 19.5                | 3.5      |  |
| Channel         |            |         |           | 168300               | 169300                  | 169300                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 821.5                | 831.5                   | 841.5                 | 23.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 21.55                | 21.81                   | 21.76                 | 23.0                | 0.0      |  |
| Channel         |            |         |           | 163800               | 166300                  | 166800                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 817                  | 831.5                   | 844                   | 23.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 21.55                | 21.89                   | 21.72                 | 23.0                | 0.0      |  |
| Channel         |            |         |           | 163300               | 166300                  | 169300                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 816.5                | 831.5                   | 846.5                 | 23.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 21.67                | 21.90                   | 21.57                 | 23.0                | 0.0      |  |

| n66 Ant 4 DSI2  |            |         |           |                      |                         |                       |                     |          |  |
|-----------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq | Power Middle Ch. / Freq | Power High Ch. / Freq | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 345000               | 349000                  | 345000                | 19.4                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1730                 | 1745                    | 1760                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 18.41                | 18.29                   | 18.38                 |                     |          |  |
| 40              | PI2 BPSK   | 1       | 108       | 18.24                | 18.31                   | 18.33                 |                     |          |  |
| 40              | PI2 BPSK   | 1       | 214       | 18.39                | 18.50                   | 18.29                 | 19.4                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 0         | 18.23                | 18.31                   | 18.40                 | 19.4                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 54        | 18.38                | 18.32                   | 18.35                 | 19.4                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 108       | 18.26                | 18.50                   | 18.47                 | 19.4                | 0.0      |  |
| 40              | PI2 BPSK   | 216     | 0         | 18.34                | 18.34                   | 18.35                 | 19.4                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 18.41                | 18.51                   | 18.49                 |                     |          |  |
| 40              | QPSK       | 1       | 108       | 18.42                | 18.42                   | 18.43                 |                     |          |  |
| 40              | QPSK       | 1       | 214       | 18.31                | 18.40                   | 18.31                 |                     |          |  |
| 40              | QPSK       | 108     | 0         | 18.28                | 18.50                   | 18.48                 | 19.4                | 0.0      |  |
| 40              | QPSK       | 108     | 54        | 18.22                | 18.38                   | 18.27                 | 19.4                | 0.0      |  |
| 40              | QPSK       | 108     | 108       | 18.22                | 18.48                   | 18.43                 | 19.4                | 0.0      |  |
| 40              | QPSK       | 216     | 0         | 18.25                | 18.36                   | 18.29                 | 19.4                | 0.0      |  |
| 40              | 16QAM      | 1       | 1         | 18.24                | 18.42                   | 18.44                 | 19.4                | 0.0      |  |
| 40              | 64QAM      | 1       | 1         | 18.26                | 18.37                   | 18.50                 | 19.4                | 0.0      |  |
| 40              | 256QAM     | 1       | 1         | 17.52                | 17.88                   | 17.78                 | 19.4                | 0.0      |  |
| Channel         |            |         |           | 345000               | 349000                  | 345000                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1727.5               | 1745                    | 1762.5                | 19.4                | 0.0      |  |
| 35              | QPSK       | 1       | 1         | 18.23                | 18.37                   | 18.28                 | 19.4                | 0.0      |  |
| Channel         |            |         |           | 345000               | 349000                  | 353000                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1725                 | 1745                    | 1765                  | 19.4                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 18.42                | 18.50                   | 18.39                 | 19.4                | 0.0      |  |
| Channel         |            |         |           | 344500               | 349000                  | 353500                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1722.5               | 1745                    | 1767.5                | 19.4                | 0.0      |  |
| 25              | QPSK       | 1       | 1         | 18.36                | 18.47                   | 18.30                 | 19.4                | 0.0      |  |
| Channel         |            |         |           | 344000               | 349000                  | 354000                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1720                 | 1745                    | 1770                  | 19.4                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 18.34                | 18.30                   | 18.47                 | 19.4                | 0.0      |  |
| Channel         |            |         |           | 343500               | 349000                  | 354500                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5               | 1745                    | 1772.5                | 19.4                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 18.22                | 18.36                   | 18.31                 | 19.4                | 0.0      |  |
| Channel         |            |         |           | 343000               | 35000                   | 355000                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                 | 1745                    | 1775                  | 19.4                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 18.33                | 18.31                   | 18.31                 | 19.4                | 0.0      |  |
| Channel         |            |         |           | 342500               | 349000                  | 355500                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5               | 1745                    | 1777.5                | 19.4                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 18.31                | 18.38                   | 18.31                 | 19.4                | 0.0      |  |

| Part27Q n78 Ant 3 |            |         |           |                       |                          |                        |                     |          |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel           |            |         |           | 633334                |                          |                        |                     |          |
| Frequency (MHz)   |            |         |           | 3500.01               |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 1         | 20.48                 |                          |                        | 22.0                | 0.0      |
| 100               | PI/2 BPSK  | 1       | 137       | 20.38                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 271       | 20.34                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 135     | 0         | 19.74                 |                          |                        | 21.5                | 0.5      |
| 100               | PI/2 BPSK  | 135     | 69        | 20.48                 |                          |                        | 22.0                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 138       | 20.01                 |                          |                        | 21.5                | 0.5      |
| 100               | PI/2 BPSK  | 270     | 0         | 19.93                 |                          |                        |                     |          |
| 100               | QPSK       | 1       | 1         | 20.64                 |                          |                        | 22.0                | 0.0      |
| 100               | QPSK       | 1       | 137       | 20.51                 |                          |                        |                     |          |
| 100               | QPSK       | 1       | 271       | 20.47                 |                          |                        |                     |          |
| 100               | QPSK       | 135     | 0         | 19.23                 |                          |                        | 21.0                | 1.0      |
| 100               | QPSK       | 135     | 69        | 20.44                 |                          |                        | 22.0                | 0.0      |
| 100               | QPSK       | 135     | 138       | 19.50                 |                          |                        | 21.0                | 1.0      |
| 100               | QPSK       | 270     | 0         | 19.40                 |                          |                        |                     |          |
| 100               | 16QAM      | 1       | 1         | 19.22                 |                          |                        | 21.0                | 1.0      |
| 100               | 64QAM      | 1       | 1         | 17.72                 |                          |                        | 19.5                | 2.5      |
| 100               | 256QAM     | 1       | 1         | 15.65                 |                          |                        | 17.5                | 4.5      |
| Channel           |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3495                  | 3500.01                  | 3505.02                | (dBm)               | (dB)     |
| 90                | QPSK       | 1       | 1         | 20.47                 | 20.47                    | 20.53                  | 22.0                | 0.0      |
| Channel           |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3490.02               | 3500.01                  | 3510                   | (dBm)               | (dB)     |
| 80                | QPSK       | 1       | 1         | 20.48                 | 20.52                    | 20.57                  | 22.0                | 0.0      |
| Channel           |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3485.01               | 3500.01                  | 3515.01                | (dBm)               | (dB)     |
| 70                | QPSK       | 1       | 1         | 20.47                 | 20.51                    | 20.62                  | 22.0                | 0.0      |
| Channel           |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3480                  | 3500.01                  | 3520.02                | (dBm)               | (dB)     |
| 60                | QPSK       | 1       | 1         | 20.52                 | 20.44                    | 20.60                  | 22.0                | 0.0      |
| Channel           |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3475.02               | 3500.01                  | 3525                   | (dBm)               | (dB)     |
| 50                | QPSK       | 1       | 1         | 20.43                 | 20.47                    | 20.50                  | 22.0                | 0.0      |
| Channel           |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3470.01               | 3500.01                  | 3530.01                | (dBm)               | (dB)     |
| 40                | QPSK       | 1       | 1         | 20.42                 | 20.49                    | 20.45                  | 22.0                | 0.0      |
| Channel           |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3465                  | 3500.01                  | 3535.02                | (dBm)               | (dB)     |
| 30                | QPSK       | 1       | 1         | 20.45                 | 20.51                    | 20.58                  | 22.0                | 0.0      |
| Channel           |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3460.02               | 3500.01                  | 3540                   | (dBm)               | (dB)     |
| 20                | QPSK       | 1       | 1         | 20.54                 | 20.53                    | 20.48                  | 22.0                | 0.0      |
| Channel           |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3457.5                | 3500.01                  | 3542.52                | (dBm)               | (dB)     |
| 15                | QPSK       | 1       | 1         | 20.55                 | 20.50                    | 20.52                  | 22.0                | 0.0      |
| Channel           |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3455.01               | 3500.01                  | 3545.01                | (dBm)               | (dB)     |
| 10                | QPSK       | 1       | 1         | 20.52                 | 20.47                    | 20.51                  | 22.0                | 0.0      |

| Part27Q n78 Ant 5 |            |         |           |                             |                                |                              |                        |             |
|-------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           |                             | 633334                         |                              |                        |             |
| Frequency (MHz)   |            |         |           |                             | 3500.01                        |                              |                        |             |
| 100               | PI/2 BPSK  | 1       | 1         |                             | 15.62                          |                              |                        |             |
| 100               | PI/2 BPSK  | 1       | 137       |                             | 15.65                          |                              | 16.5                   | 0.0         |
| 100               | PI/2 BPSK  | 1       | 271       |                             | 15.53                          |                              |                        |             |
| 100               | PI/2 BPSK  | 135     | 0         |                             | 15.63                          |                              | 16.5                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 69        |                             | 15.60                          |                              | 16.5                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 138       |                             | 15.60                          |                              | 16.5                   | 0.0         |
| 100               | PI/2 BPSK  | 270     | 0         |                             | 15.60                          |                              |                        |             |
| 100               | QPSK       | 1       | 1         |                             | 15.67                          |                              |                        |             |
| 100               | QPSK       | 1       | 137       |                             | 15.60                          |                              | 16.5                   | 0.0         |
| 100               | QPSK       | 1       | 271       |                             | 15.59                          |                              |                        |             |
| 100               | QPSK       | 135     | 0         |                             | 15.58                          |                              | 16.5                   | 0.0         |
| 100               | QPSK       | 135     | 69        |                             | 15.66                          |                              | 16.5                   | 0.0         |
| 100               | QPSK       | 135     | 138       |                             | 15.60                          |                              | 16.5                   | 0.0         |
| 100               | QPSK       | 270     | 0         |                             | 15.63                          |                              |                        |             |
| 100               | 16QAM      | 1       | 1         |                             | 15.64                          |                              | 16.5                   | 0.0         |
| 100               | 64QAM      | 1       | 1         |                             | 15.63                          |                              | 16.5                   | 0.0         |
| 100               | 256QAM     | 1       | 1         |                             | 15.57                          |                              | 16.5                   | 0.0         |
| Channel           |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3495                        | 3500.01                        | 3505.02                      | (dBm)                  | (dB)        |
| 90                | QPSK       | 1       | 1         | 15.61                       | 15.59                          | 15.56                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 632668                      | 633334                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3490.02                     | 3500.01                        | 3510                         | (dBm)                  | (dB)        |
| 80                | QPSK       | 1       | 1         | 15.50                       | 15.53                          | 15.57                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 632334                      | 633334                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3485.01                     | 3500.01                        | 3515.01                      | (dBm)                  | (dB)        |
| 70                | QPSK       | 1       | 1         | 15.53                       | 15.50                          | 15.64                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 632000                      | 633334                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3480                        | 3500.01                        | 3520.02                      | (dBm)                  | (dB)        |
| 60                | QPSK       | 1       | 1         | 15.61                       | 15.52                          | 15.56                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 631668                      | 633334                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3475.02                     | 3500.01                        | 3525                         | (dBm)                  | (dB)        |
| 50                | QPSK       | 1       | 1         | 15.63                       | 15.53                          | 15.58                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      | (dBm)                  | (dB)        |
| 40                | QPSK       | 1       | 1         | 15.51                       | 15.57                          | 15.60                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 631000                      | 633334                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3465                        | 3500.01                        | 3535.02                      | (dBm)                  | (dB)        |
| 30                | QPSK       | 1       | 1         | 15.59                       | 15.61                          | 15.63                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 630668                      | 633334                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3460.02                     | 3500.01                        | 3540                         | (dBm)                  | (dB)        |
| 20                | QPSK       | 1       | 1         | 15.60                       | 15.63                          | 15.59                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 630500                      | 633334                         | 636168                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3467.5                      | 3500.01                        | 3542.52                      | (dBm)                  | (dB)        |
| 15                | QPSK       | 1       | 1         | 15.62                       | 15.50                          | 15.59                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 630334                      | 633334                         | 636334                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3455.01                     | 3500.01                        | 3545.01                      | (dBm)                  | (dB)        |
| 10                | QPSK       | 1       | 1         | 15.56                       | 15.53                          | 15.55                        | 16.5                   | 0.0         |

| Part27Q n78 Ant 7 |            |         |           |                             |                                |                              |                        |             |
|-------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           |                             | 633334                         |                              |                        |             |
| Frequency (MHz)   |            |         |           |                             | 3500.01                        |                              |                        |             |
| 100               | PI/2 BPSK  | 1       | 1         |                             | 16.25                          |                              |                        |             |
| 100               | PI/2 BPSK  | 1       | 137       |                             | 16.18                          |                              | 17.3                   | 0.0         |
| 100               | PI/2 BPSK  | 1       | 271       |                             | 16.25                          |                              |                        |             |
| 100               | PI/2 BPSK  | 135     | 0         |                             | 16.26                          |                              | 17.3                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 69        |                             | 16.15                          |                              | 17.3                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 138       |                             | 16.22                          |                              | 17.3                   | 0.0         |
| 100               | PI/2 BPSK  | 270     | 0         |                             | 16.21                          |                              |                        |             |
| 100               | QPSK       | 1       | 1         |                             | 16.27                          |                              |                        |             |
| 100               | QPSK       | 1       | 137       |                             | 16.24                          |                              | 17.3                   | 0.0         |
| 100               | QPSK       | 1       | 271       |                             | 16.14                          |                              |                        |             |
| 100               | QPSK       | 135     | 0         |                             | 16.20                          |                              | 17.3                   | 0.0         |
| 100               | QPSK       | 135     | 69        |                             | 16.24                          |                              | 17.3                   | 0.0         |
| 100               | QPSK       | 135     | 138       |                             | 16.21                          |                              | 17.3                   | 0.0         |
| 100               | QPSK       | 270     | 0         |                             | 16.23                          |                              | 17.3                   | 0.0         |
| 100               | 16QAM      | 1       | 1         |                             | 16.24                          |                              | 17.3                   | 0.0         |
| 100               | 64QAM      | 1       | 1         |                             | 16.25                          |                              | 17.3                   | 0.0         |
| 100               | 256QAM     | 1       | 1         |                             | 16.26                          |                              | 17.3                   | 0.0         |
| Channel           |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3495                        | 3500.01                        | 3505.02                      | (dBm)                  | (dB)        |
| 90                | QPSK       | 1       | 1         | 16.12                       | 16.15                          | 16.19                        | 17.3                   | 0.0         |
| Channel           |            |         |           | 632668                      | 633334                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3490.02                     | 3500.01                        | 3510                         | (dBm)                  | (dB)        |
| 80                | QPSK       | 1       | 1         | 16.17                       | 16.18                          | 16.19                        | 17.3                   | 0.0         |
| Channel           |            |         |           | 632334                      | 633334                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3483.01                     | 3500.01                        | 3515.01                      | (dBm)                  | (dB)        |
| 70                | QPSK       | 1       | 1         | 16.13                       | 16.15                          | 16.22                        | 17.3                   | 0.0         |
| Channel           |            |         |           | 632000                      | 633334                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3480                        | 3500.01                        | 3520.02                      | (dBm)                  | (dB)        |
| 60                | QPSK       | 1       | 1         | 16.10                       | 16.12                          | 16.16                        | 17.3                   | 0.0         |
| Channel           |            |         |           | 631668                      | 633334                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3475.02                     | 3500.01                        | 3525                         | (dBm)                  | (dB)        |
| 50                | QPSK       | 1       | 1         | 16.16                       | 16.18                          | 16.12                        | 17.3                   | 0.0         |
| Channel           |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      | (dBm)                  | (dB)        |
| 40                | QPSK       | 1       | 1         | 16.11                       | 16.15                          | 16.17                        | 17.3                   | 0.0         |
| Channel           |            |         |           | 631000                      | 633334                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3465                        | 3500.01                        | 3535.02                      | (dBm)                  | (dB)        |
| 30                | QPSK       | 1       | 1         | 16.10                       | 16.20                          | 16.19                        | 17.3                   | 0.0         |
| Channel           |            |         |           | 630668                      | 633334                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3460.02                     | 3500.01                        | 3540                         | (dBm)                  | (dB)        |
| 20                | QPSK       | 1       | 1         | 16.22                       | 16.14                          | 16.19                        | 17.3                   | 0.0         |
| Channel           |            |         |           | 630500                      | 633334                         | 636168                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3467.5                      | 3500.01                        | 3542.52                      | (dBm)                  | (dB)        |
| 15                | QPSK       | 1       | 1         | 16.22                       | 16.22                          | 16.19                        | 17.3                   | 0.0         |
| Channel           |            |         |           | 630334                      | 633334                         | 636334                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3455.01                     | 3500.01                        | 3545.01                      | (dBm)                  | (dB)        |
| 10                | QPSK       | 1       | 1         | 16.13                       | 16.23                          | 16.17                        | 17.3                   | 0.0         |

| Part27Q n78 Ant 9 |            |         |           |                             |                                |                              |                        |             |
|-------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3495                        | 3500.01                        | 3505.02                      |                        |             |
| 100               | PI/2 BPSK  | 1       | 1         | 20.66                       | 20.75                          | 20.57                        | 22.0                   | 0.0         |
| 100               | PI/2 BPSK  | 1       | 137       |                             |                                |                              |                        |             |
| 100               | PI/2 BPSK  | 1       | 271       |                             |                                |                              |                        |             |
| 100               | PI/2 BPSK  | 135     | 0         |                             |                                |                              | 21.5                   | 0.5         |
| 100               | PI/2 BPSK  | 135     | 69        |                             |                                |                              | 22.0                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 138       |                             |                                |                              | 21.5                   | 0.5         |
| 100               | PI/2 BPSK  | 270     | 0         |                             |                                |                              |                        |             |
| 100               | QPSK       | 1       | 1         |                             | 20.79                          |                              |                        |             |
| 100               | QPSK       | 1       | 137       |                             | 20.66                          |                              | 22.0                   | 0.0         |
| 100               | QPSK       | 1       | 271       |                             | 20.68                          |                              |                        |             |
| 100               | QPSK       | 135     | 0         |                             | 19.72                          |                              | 21.0                   | 1.0         |
| 100               | QPSK       | 135     | 69        |                             | 20.75                          |                              | 22.0                   | 0.0         |
| 100               | QPSK       | 135     | 138       |                             | 19.66                          |                              |                        |             |
| 100               | QPSK       | 270     | 0         |                             | 19.72                          |                              | 21.0                   | 1.0         |
| 100               | 16QAM      | 1       | 1         |                             | 19.71                          |                              | 21.0                   | 1.0         |
| 100               | 64QAM      | 1       | 1         |                             | 18.18                          |                              | 19.5                   | 2.5         |
| 100               | 256QAM     | 1       | 1         |                             | 16.16                          |                              | 17.5                   | 4.5         |
| Channel           |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3495                        | 3500.01                        | 3505.02                      |                        |             |
| 90                | QPSK       | 1       | 1         | 20.66                       | 20.75                          | 20.57                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 632668                      | 633334                         | 634000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3490.02                     | 3500.01                        | 3510                         |                        |             |
| 80                | QPSK       | 1       | 1         | 20.61                       | 20.63                          | 20.64                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 632334                      | 633334                         | 634334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3485.01                     | 3500.01                        | 3515.01                      |                        |             |
| 70                | QPSK       | 1       | 1         | 20.74                       | 20.72                          | 20.65                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 632000                      | 633334                         | 634668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3480                        | 3500.01                        | 3520.02                      |                        |             |
| 60                | QPSK       | 1       | 1         | 20.71                       | 20.62                          | 20.66                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 631668                      | 633334                         | 635000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3475.02                     | 3500.01                        | 3525                         |                        |             |
| 50                | QPSK       | 1       | 1         | 20.75                       | 20.59                          | 20.76                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      |                        |             |
| 40                | QPSK       | 1       | 1         | 20.64                       | 20.66                          | 20.66                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 631000                      | 633334                         | 635668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3465                        | 3500.01                        | 3535.02                      |                        |             |
| 30                | QPSK       | 1       | 1         | 20.59                       | 20.75                          | 20.66                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 630668                      | 633334                         | 636000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3460.02                     | 3500.01                        | 3540                         |                        |             |
| 20                | QPSK       | 1       | 1         | 20.69                       | 20.73                          | 20.78                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 630500                      | 633334                         | 636168                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3467.5                      | 3500.01                        | 3542.52                      |                        |             |
| 15                | QPSK       | 1       | 1         | 20.60                       | 20.65                          | 20.69                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 630334                      | 633334                         | 636334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3455.01                     | 3500.01                        | 3545.01                      |                        |             |
| 10                | QPSK       | 1       | 1         | 20.72                       | 20.71                          | 20.61                        | 22.0                   | 0.0         |

## Reduced Power Mode for DSI3

| n5 Ant 0        |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 166800                | 167300                   | 167800                 |                     |          |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 23.11                 | 23.21                    | 23.17                  | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 53        | 23.01                 | 23.18                    | 23.10                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 23.03                 | 23.04                    | 22.92                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.53                 | 22.65                    | 22.65                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 28        | 22.97                 | 23.14                    | 23.15                  | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 22.39                 | 22.58                    | 22.38                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 22.54                 | 22.63                    | 22.52                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 23.23                 | 23.25                    | 23.24                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 23.14                 | 23.15                    | 23.00                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.92                 | 23.07                    | 23.08                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.01                 | 22.19                    | 22.20                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 23.11                 | 23.13                    | 22.97                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 22.00                 | 22.12                    | 22.13                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 22.15                 | 22.17                    | 22.10                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 22.17                 | 22.36                    | 22.16                  | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.82                 | 20.86                    | 20.86                  | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.85                 | 18.87                    | 18.80                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  | 24.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 23.21                 | 23.07                    | 23.16                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    | 24.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 23.03                 | 23.16                    | 23.18                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 165300                | 167300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  | 24.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 23.05                 | 23.06                    | 23.16                  | 24.0                | 0.0      |  |

| n26 Ant 0       |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 164800                | 166300                   | 167800                 |                     |          |  |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 23.57                 | 23.48                    | 23.54                  | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 53        | 23.43                 | 23.45                    | 23.63                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 23.57                 | 23.64                    | 23.41                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 23.07                 | 23.20                    | 23.11                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 28        | 23.56                 | 23.51                    | 23.43                  | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 23.04                 | 23.15                    | 23.06                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 23.02                 | 23.22                    | 23.19                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 23.58                 | 23.65                    | 23.62                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 23.37                 | 23.65                    | 23.49                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 23.54                 | 23.54                    | 23.44                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.67                 | 22.67                    | 22.56                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 23.50                 | 23.52                    | 23.45                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 22.53                 | 22.70                    | 22.71                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 22.51                 | 22.58                    | 22.57                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 22.47                 | 22.60                    | 22.61                  | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 21.03                 | 21.12                    | 21.03                  | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 19.02                 | 19.16                    | 19.07                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 164300                | 166300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  | 24.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 23.51                 | 23.60                    | 23.42                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 163800                | 166300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 819                   | 831.5                    | 844                    | 24.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 23.54                 | 23.47                    | 23.44                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 163300                | 166300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  | 24.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 23.48                 | 23.50                    | 23.53                  | 24.0                | 0.0      |  |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           | 372000                   | 376000                      | 380000                    | 23.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 1860                     | 1860                        | 1900                      |                        |             |
| 20              | PI2 BPSK   | 1       | 1         | 22.23                    | 22.43                       | 22.17                     |                        |             |
| 20              | PI2 BPSK   | 1       | 53        | 22.28                    | 22.19                       | 22.26                     |                        |             |
| 20              | PI2 BPSK   | 1       | 104       | 22.32                    | 22.38                       | 22.22                     | 23.5                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 0         | 22.28                    | 22.27                       | 22.33                     | 23.5                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 28        | 22.25                    | 22.24                       | 22.19                     | 23.5                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 58        | 22.24                    | 22.17                       | 22.37                     | 23.5                   | 0.0         |
| 20              | PI2 BPSK   | 100     | 0         | 22.41                    | 22.36                       | 22.21                     | 23.5                   | 0.0         |
| 20              | QPSK       | 1       | 1         | 22.41                    | 22.46                       | 22.35                     |                        |             |
| 20              | QPSK       | 1       | 53        | 22.31                    | 22.37                       | 22.30                     |                        |             |
| 20              | QPSK       | 1       | 104       | 22.40                    | 22.38                       | 22.39                     |                        |             |
| 20              | QPSK       | 50      | 0         | 22.28                    | 22.32                       | 22.29                     | 23.0                   | 0.5         |
| 20              | QPSK       | 50      | 28        | 22.23                    | 22.39                       | 22.13                     | 23.5                   | 0.0         |
| 20              | QPSK       | 50      | 58        | 22.28                    | 22.31                       | 22.38                     | 23.0                   | 0.5         |
| 20              | QPSK       | 100     | 0         | 22.34                    | 22.41                       | 22.32                     | 23.0                   | 0.5         |
| 20              | 16QAM      | 1       | 1         | 22.24                    | 22.18                       | 22.27                     |                        |             |
| 20              | 64QAM      | 1       | 1         | 21.12                    | 21.11                       | 21.00                     |                        |             |
| 20              | 256QAM     | 1       | 1         | 18.88                    | 19.06                       | 18.93                     |                        |             |
| Channel         |            |         |           | 371500                   | 376000                      | 380500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1867.5                   | 1880                        | 1902.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 22.26                    | 22.22                       | 22.28                     | 23.5                   | 0.0         |
| Channel         |            |         |           | 371000                   | 376000                      | 381000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1865                     | 1860                        | 1905                      |                        |             |
| 10              | QPSK       | 1       | 1         | 22.32                    | 22.32                       | 22.23                     | 23.5                   | 0.0         |
| Channel         |            |         |           | 370500                   | 376000                      | 381500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1862.5                   | 1860                        | 1907.5                    |                        |             |
| 5               | QPSK       | 1       | 1         | 22.28                    | 22.23                       | 22.14                     | 23.5                   | 0.0         |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           | 504000                   | 507000                      | 510000                    | 23.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 2520                     | 2535                        | 2550                      |                        |             |
| 40              | PI2 BPSK   | 1       | 1         | 22.28                    | 22.39                       | 22.13                     |                        |             |
| 40              | PI2 BPSK   | 1       | 135       | 22.09                    | 22.06                       | 22.18                     |                        |             |
| 40              | PI2 BPSK   | 1       | 268       | 22.16                    | 22.35                       | 22.10                     | 23.5                   | 0.0         |
| 40              | PI2 BPSK   | 135     | 0         | 22.44                    | 22.29                       | 22.10                     | 23.5                   | 0.0         |
| 40              | PI2 BPSK   | 135     | 68        | 22.14                    | 22.23                       | 22.31                     | 23.5                   | 0.0         |
| 40              | PI2 BPSK   | 135     | 135       | 22.26                    | 22.27                       | 21.95                     | 23.5                   | 0.0         |
| 40              | PI2 BPSK   | 270     | 0         | 22.21                    | 22.35                       | 22.13                     | 23.5                   | 0.0         |
| 40              | QPSK       | 1       | 1         | 22.29                    | 22.47                       | 22.26                     |                        |             |
| 40              | QPSK       | 1       | 135       | 22.18                    | 22.05                       | 22.14                     |                        |             |
| 40              | QPSK       | 1       | 268       | 22.17                    | 22.30                       | 22.28                     |                        |             |
| 40              | QPSK       | 135     | 0         | 22.13                    | 22.42                       | 22.21                     | 23.0                   | 0.5         |
| 40              | QPSK       | 135     | 68        | 22.31                    | 22.44                       | 22.28                     | 23.5                   | 0.0         |
| 40              | QPSK       | 135     | 135       | 22.16                    | 22.18                       | 22.35                     | 23.0                   | 0.5         |
| 40              | QPSK       | 270     | 0         | 22.28                    | 22.41                       | 22.21                     | 23.0                   | 0.5         |
| 40              | 16QAM      | 1       | 1         | 22.48                    | 22.38                       | 22.38                     |                        |             |
| 40              | 64QAM      | 1       | 1         | 21.09                    | 20.98                       | 21.00                     |                        |             |
| 40              | 256QAM     | 1       | 1         | 18.84                    | 18.96                       | 18.77                     |                        |             |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2515                     | 2535                        | 2555                      |                        |             |
| 30              | QPSK       | 1       | 1         | 22.25                    | 22.38                       | 22.28                     | 23.5                   | 0.0         |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2512.5                   | 2535                        | 2557.5                    |                        |             |
| 25              | QPSK       | 1       | 1         | 22.30                    | 22.40                       | 22.11                     | 23.5                   | 0.0         |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      |                        |             |
| 20              | PI2 BPSK   | 1       | 1         | 22.34                    | 22.33                       | 22.26                     | 23.5                   | 0.0         |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 22.32                    | 22.41                       | 22.19                     | 19REF1                 | 0.0         |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      |                        |             |
| 10              | QPSK       | 1       | 1         | 22.22                    | 22.40                       | 22.12                     | 23.0                   | 0.0         |
| Channel         |            |         |           | 500500                   | 507000                      | 513500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2502.5                   | 2535                        | 2567.5                    |                        |             |
| 5               | QPSK       | 1       | 1         | 22.28                    | 22.34                       | 22.11                     | 23.5                   | 0.0         |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           | 346000                   | 348000                      | 350000                    | 23.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 1730                     | 1745                        | 1760                      |                        |             |
| 40              | PI2 BPSK   | 1       | 1         | 21.89                    | 21.86                       | 22.13                     |                        |             |
| 40              | PI2 BPSK   | 1       | 108       | 21.97                    | 22.06                       | 21.99                     |                        |             |
| 40              | PI2 BPSK   | 1       | 214       | 21.77                    | 22.01                       | 21.66                     | 23.0                   | 0.0         |
| 40              | PI2 BPSK   | 108     | 0         | 21.86                    | 21.90                       | 22.05                     | 23.0                   | 0.0         |
| 40              | PI2 BPSK   | 108     | 54        | 21.98                    | 21.89                       | 22.08                     | 23.0                   | 0.0         |
| 40              | PI2 BPSK   | 108     | 108       | 21.90                    | 21.97                       | 22.11                     | 23.0                   | 0.0         |
| 40              | PI2 BPSK   | 216     | 0         | 21.82                    | 21.93                       | 21.99                     | 23.0                   | 0.0         |
| 40              | QPSK       | 1       | 1         | 22.12                    | 22.14                       | 21.90                     |                        |             |
| 40              | QPSK       | 1       | 108       | 22.00                    | 21.88                       | 22.11                     |                        |             |
| 40              | QPSK       | 1       | 214       | 21.78                    | 21.98                       | 21.76                     |                        |             |
| 40              | QPSK       | 108     | 0         | 21.73                    | 22.00                       | 21.95                     | 23.0                   | 0.0         |
| 40              | QPSK       | 108     | 54        | 22.07                    | 22.11                       | 22.07                     | 23.0                   | 0.0         |
| 40              | QPSK       | 108     | 108       | 21.94                    | 21.95                       | 22.04                     | 23.0                   | 0.0         |
| 40              | QPSK       | 216     | 0         | 21.89                    | 22.05                       | 22.01                     | 23.0                   | 0.0         |
| 40              | 16QAM      | 1       | 1         | 22.13                    | 22.11                       | 22.04                     |                        |             |
| 40              | 64QAM      | 1       | 1         | 20.89                    | 20.88                       | 20.79                     |                        |             |
| 40              | 256QAM     | 1       | 1         | 18.47                    | 18.57                       | 18.37                     |                        |             |
| Channel         |            |         |           | 345000                   | 348000                      | 350500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1727.5                   | 1745                        | 1762.5                    |                        |             |
| 35              | QPSK       | 1       | 1         | 21.93                    | 22.03                       | 22.03                     | 23.0                   | 0.0         |
| Channel         |            |         |           | 345000                   | 349000                      | 353000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1725                     | 1745                        | 1765                      |                        |             |
| 30              | QPSK       | 1       | 1         | 22.02                    | 21.99                       | 21.96                     | 23.0                   | 0.0         |
| Channel         |            |         |           | 344500                   | 349000                      | 353500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1722.5                   | 1745                        | 1767.5                    |                        |             |
| 25              | QPSK       | 1       | 1         | 22.02                    | 21.96                       | 22.05                     | 23.0                   | 0.0         |
| Channel         |            |         |           | 344000                   | 349000                      | 354000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1720                     | 1745                        | 1770                      |                        |             |
| 20              | QPSK       | 1       | 1         | 21.85                    | 22.03                       | 21.98                     | 23.0                   | 0.0         |
| Channel         |            |         |           | 343500                   | 349000                      | 354500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1717.5                   | 1745                        | 1772.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 22.01                    | 21.99                       | 22.01                     | 23.0                   | 0.0         |
| Channel         |            |         |           | 343000                   | 349000                      | 355000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1715                     | 1745                        | 1775                      |                        |             |
| 10              | QPSK       | 1       | 1         | 21.87                    | 21.91                       | 21.98                     | 23.0                   | 0.0         |
| Channel         |            |         |           | 342500                   | 349000                      | 355500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1712.5                   | 1745                        | 1777.5                    |                        |             |
| 5               | QPSK       | 1       | 1         | 22.00                    | 22.04                       | 22.07                     | 23.0                   | 0.0         |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           | 372000                   | 376000                      | 380000                    | 19.4                   | 0.0         |
| Frequency (MHz) |            |         |           | 1860                     | 1880                        | 1900                      |                        |             |
| 20              | PI2 BPSK   | 1       | 1         | 18.28                    | 18.22                       | 18.33                     |                        |             |
| 20              | PI2 BPSK   | 1       | 53        | 17.81                    | 18.34                       | 18.11                     |                        |             |
| 20              | PI2 BPSK   | 1       | 104       | 18.00                    | 18.07                       | 18.12                     | 19.4                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 0         | 18.33                    | 18.39                       | 18.21                     | 19.4                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 28        | 17.89                    | 18.39                       | 18.19                     | 19.4                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 58        | 17.95                    | 18.07                       | 18.03                     | 19.4                   | 0.0         |
| 20              | PI2 BPSK   | 100     | 0         | 18.15                    | 18.22                       | 18.28                     | 19.4                   | 0.0         |
| 20              | QPSK       | 1       | 1         | 18.33                    | 18.44                       | 18.35                     | 19.4                   | 0.0         |
| 20              | QPSK       | 1       | 53        | 18.00                    | 18.41                       | 18.19                     |                        |             |
| 20              | QPSK       | 1       | 104       | 18.16                    | 18.20                       | 18.19                     |                        |             |
| 20              | QPSK       | 50      | 0         | 18.33                    | 18.40                       | 18.19                     |                        |             |
| 20              | QPSK       | 50      | 28        | 17.79                    | 18.39                       | 18.09                     | 19.4                   | 0.0         |
| 20              | QPSK       | 50      | 58        | 18.15                    | 18.10                       | 17.98                     | 19.4                   | 0.0         |
| 20              | QPSK       | 100     | 0         | 18.34                    | 18.35                       | 18.36                     | 19.4                   | 0.0         |
| 20              | 16QAM      | 1       | 1         | 17.83                    | 18.29                       | 18.02                     | 19.4                   | 0.0         |
| 20              | 64QAM      | 1       | 1         | 18.15                    | 17.99                       | 18.19                     | 19.4                   | 0.0         |
| 20              | 256QAM     | 1       | 1         | 18.29                    | 18.38                       | 18.29                     | 19.4                   | 0.0         |
| Channel         |            |         |           | 371500                   | 376000                      | 380500                    | 19.4                   | 0.0         |
| Frequency (MHz) |            |         |           | 1867.5                   | 1880                        | 1902.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 18.27                    | 18.26                       | 18.20                     |                        |             |
| Channel         |            |         |           | 371000                   | 376000                      | 381000                    | 19.4                   | 0.0         |
| Frequency (MHz) |            |         |           | 1855                     | 1900                        | 1905                      |                        |             |
| 10              | QPSK       | 1       | 1         | 18.14                    | 18.30                       | 18.22                     |                        |             |
| Channel         |            |         |           | 375500                   | 376000                      | 381500                    | 19.4                   | 0.0         |
| Frequency (MHz) |            |         |           | 1862.5                   | 1880                        | 1907.5                    |                        |             |
| 5               | QPSK       | 1       | 1         | 18.33                    | 18.24                       | 18.17                     |                        |             |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           | 166800                   | 167300                      | 167800                    | 23.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 834                      | 836.5                       | 839                       |                        |             |
| 20              | PI2 BPSK   | 1       | 1         | 21.42                    | 21.84                       | 21.67                     |                        |             |
| 20              | PI2 BPSK   | 1       | 53        | 21.56                    | 21.70                       | 21.55                     |                        |             |
| 20              | PI2 BPSK   | 1       | 104       | 21.38                    | 21.61                       | 21.61                     | 23.0                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 0         | 21.81                    | 21.79                       | 21.54                     | 23.0                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 28        | 21.61                    | 21.82                       | 21.37                     | 23.0                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 58        | 21.60                    | 21.64                       | 21.67                     | 23.0                   | 0.0         |
| 20              | PI2 BPSK   | 100     | 0         | 21.66                    | 21.75                       | 21.54                     | 23.0                   | 0.0         |
| 20              | QPSK       | 1       | 1         | 21.65                    | 21.93                       | 21.57                     |                        |             |
| 20              | QPSK       | 1       | 53        | 21.68                    | 21.84                       | 21.58                     |                        |             |
| 20              | QPSK       | 1       | 104       | 21.51                    | 21.81                       | 21.57                     |                        |             |
| 20              | QPSK       | 50      | 0         | 21.59                    | 21.73                       | 21.57                     | 23.0                   | 0.0         |
| 20              | QPSK       | 50      | 28        | 21.63                    | 21.79                       | 21.61                     | 23.0                   | 0.0         |
| 20              | QPSK       | 50      | 58        | 21.58                    | 21.60                       | 21.54                     | 23.0                   | 0.0         |
| 20              | QPSK       | 100     | 0         | 21.55                    | 21.78                       | 21.71                     | 23.0                   | 0.0         |
| 20              | 16QAM      | 1       | 1         | 21.44                    | 21.73                       | 21.54                     | 23.0                   | 0.0         |
| 20              | 64QAM      | 1       | 1         | 20.48                    | 20.74                       | 20.69                     | 21.5                   | 1.5         |
| 20              | 256QAM     | 1       | 1         | 18.39                    | 18.66                       | 18.53                     | 19.5                   | 3.5         |
| Channel         |            |         |           | 166300                   | 167300                      | 167800                    | 23.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 831.5                    | 836.5                       | 841.5                     |                        |             |
| 15              | QPSK       | 1       | 1         | 21.53                    | 21.71                       | 21.64                     |                        |             |
| Channel         |            |         |           | 166800                   | 167300                      | 168800                    | 23.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 820                      | 836.5                       | 844                       |                        |             |
| 10              | QPSK       | 1       | 1         | 21.39                    | 21.85                       | 21.64                     |                        |             |
| Channel         |            |         |           | 166300                   | 167300                      | 169300                    | 23.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 826.5                    | 836.5                       | 846.5                     |                        |             |
| 5               | QPSK       | 1       | 1         | 21.48                    | 21.68                       | 21.52                     |                        |             |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           | 504000                   | 507000                      | 510000                    | 16.8                   | 0.0         |
| Frequency (MHz) |            |         |           | 2520                     | 2535                        | 2550                      |                        |             |
| 40              | PI2 BPSK   | 1       | 1         | 15.62                    | 15.77                       | 15.61                     |                        |             |
| 40              | PI2 BPSK   | 1       | 135       | 15.31                    | 15.32                       | 15.35                     |                        |             |
| 40              | PI2 BPSK   | 1       | 268       | 15.19                    | 15.56                       | 15.30                     | 16.8                   | 0.0         |
| 40              | PI2 BPSK   | 135     | 0         | 15.54                    | 15.05                       | 15.66                     | 16.8                   | 0.0         |
| 40              | PI2 BPSK   | 135     | 68        | 15.20                    | 15.49                       | 15.36                     | 16.8                   | 0.0         |
| 40              | PI2 BPSK   | 135     | 135       | 15.38                    | 15.59                       | 15.21                     | 16.8                   | 0.0         |
| 40              | PI2 BPSK   | 270     | 0         | 15.61                    | 15.60                       | 15.52                     | 16.8                   | 0.0         |
| 40              | QPSK       | 1       | 1         | 15.63                    | 15.79                       | 15.71                     |                        |             |
| 40              | QPSK       | 1       | 135       | 15.36                    | 15.53                       | 15.56                     |                        |             |
| 40              | QPSK       | 1       | 268       | 15.40                    | 15.74                       | 15.30                     |                        |             |
| 40              | QPSK       | 135     | 0         | 15.68                    | 15.70                       | 15.52                     | 16.8                   | 0.0         |
| 40              | QPSK       | 135     | 68        | 15.24                    | 15.40                       | 15.35                     | 16.8                   | 0.0         |
| 40              | QPSK       | 135     | 135       | 15.30                    | 15.65                       | 15.23                     | 16.8                   | 0.0         |
| 40              | QPSK       | 270     | 0         | 15.82                    | 15.70                       | 15.65                     | 16.8                   | 0.0         |
| 40              | 16QAM      | 1       | 1         | 15.33                    | 15.49                       | 15.49                     | 16.8                   | 0.0         |
| 40              | 64QAM      | 1       | 1         | 15.26                    | 15.72                       | 15.18                     | 16.8                   | 0.0         |
| 40              | 256QAM     | 1       | 1         | 15.58                    | 15.56                       | 15.51                     | 16.8                   | 0.0         |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    | 16.8                   | 0.0         |
| Frequency (MHz) |            |         |           | 2515                     | 2535                        | 2555                      |                        |             |
| 30              | QPSK       | 1       | 1         | 15.44                    | 15.57                       | 15.52                     |                        |             |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    | 16.8                   | 0.0         |
| Frequency (MHz) |            |         |           | 2512.5                   | 2535                        | 2557.5                    |                        |             |
| 25              | QPSK       | 1       | 1         | 15.44                    | 15.65                       | 15.54                     |                        |             |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    | 16.8                   | 0.0         |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      |                        |             |
| 20              | PI2 BPSK   | 1       | 1         | 15.47                    | 15.74                       | 15.68                     |                        |             |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    | 16.8                   | 0.0         |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 15.44                    | 15.74                       | 15.54                     |                        |             |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    | 16.8                   | 0.0         |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      |                        |             |
| 10              | QPSK       | 1       | 1         | 15.65                    | 15.76                       | 15.59                     |                        |             |
| Channel         |            |         |           | 500500                   | 507000                      | 513500                    | 16.8                   | 0.0         |
| Frequency (MHz) |            |         |           | 2502.5                   | 2535                        | 2567.5                    |                        |             |
| 5               | QPSK       | 1       | 1         | 15.58                    | 15.64                       | 15.51                     |                        |             |

| n26 Ant 4       |            |         |           |                      |                         |                       |                     |          |  |
|-----------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq | Power Middle Ch. / Freq | Power High Ch. / Freq | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 168300               | 168300                  | 167600                | 23.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 824                  | 831.5                   | 839                   |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 21.56                | 21.84                   | 21.68                 |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 21.64                | 21.84                   | 21.65                 |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 21.57                | 21.78                   | 21.73                 | 23.0                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 0         | 21.72                | 21.83                   | 21.81                 | 23.0                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 28        | 21.73                | 21.97                   | 21.55                 | 23.0                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 58        | 21.71                | 21.82                   | 21.72                 | 23.0                | 0.0      |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.75                | 21.77                   | 21.73                 | 23.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 21.75                | 21.98                   | 21.78                 |                     |          |  |
| 20              | QPSK       | 1       | 53        | 21.74                | 21.89                   | 21.83                 |                     |          |  |
| 20              | QPSK       | 1       | 104       | 21.71                | 21.89                   | 21.78                 |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.73                | 21.86                   | 21.73                 | 23.0                | 0.0      |  |
| 20              | QPSK       | 50      | 28        | 21.84                | 21.87                   | 21.82                 | 23.0                | 0.0      |  |
| 20              | QPSK       | 50      | 58        | 21.81                | 21.78                   | 21.86                 | 23.0                | 0.0      |  |
| 20              | QPSK       | 100     | 0         | 21.56                | 21.95                   | 21.77                 | 23.0                | 0.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.65                | 21.86                   | 21.89                 | 23.0                | 0.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.87                | 20.87                   | 20.74                 | 21.5                | 1.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.52                | 18.87                   | 18.68                 | 19.5                | 3.5      |  |
| Channel         |            |         |           | 168300               | 168300                  | 168300                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 821.5                | 831.5                   | 841.5                 | 23.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 21.55                | 21.81                   | 21.76                 | 23.0                | 0.0      |  |
| Channel         |            |         |           | 163800               | 166300                  | 168800                | Tune-up limit (dB)  | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 117                  | 831.5                   | 841                   | 23.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 21.55                | 21.89                   | 21.72                 | 23.0                | 0.0      |  |
| Channel         |            |         |           | 163300               | 166300                  | 169300                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 816.5                | 831.5                   | 846.5                 | 23.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 21.67                | 21.90                   | 21.57                 | 23.0                | 0.0      |  |

| n66 Ant 4       |            |         |           |                      |                         |                       |                     |          |  |
|-----------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq | Power Middle Ch. / Freq | Power High Ch. / Freq | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 345000               | 349000                  | 353000                | 17.8                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1730                 | 1745                    | 1760                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 16.70                | 16.79                   | 16.84                 |                     |          |  |
| 40              | PI2 BPSK   | 1       | 108       | 16.66                | 16.55                   | 16.91                 |                     |          |  |
| 40              | PI2 BPSK   | 1       | 214       | 16.73                | 16.69                   | 16.54                 | 17.8                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 0         | 16.64                | 16.39                   | 16.80                 | 17.8                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 54        | 16.59                | 16.58                   | 16.91                 | 17.8                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 108       | 16.60                | 16.71                   | 16.39                 | 17.8                | 0.0      |  |
| 40              | PI2 BPSK   | 216     | 0         | 16.74                | 16.39                   | 16.92                 | 17.8                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 16.83                | 16.96                   | 16.89                 |                     |          |  |
| 40              | QPSK       | 1       | 108       | 16.81                | 16.59                   | 16.92                 |                     |          |  |
| 40              | QPSK       | 1       | 214       | 16.75                | 16.91                   | 16.59                 |                     |          |  |
| 40              | QPSK       | 108     | 0         | 16.83                | 16.65                   | 16.66                 | 17.8                | 0.0      |  |
| 40              | QPSK       | 108     | 54        | 16.70                | 16.72                   | 16.66                 | 17.8                | 0.0      |  |
| 40              | QPSK       | 108     | 108       | 16.71                | 16.51                   | 16.81                 | 17.8                | 0.0      |  |
| 40              | QPSK       | 216     | 0         | 16.76                | 16.92                   | 16.68                 | 17.8                | 0.0      |  |
| 40              | 16QAM      | 1       | 1         | 16.67                | 16.60                   | 16.73                 | 17.8                | 0.0      |  |
| 40              | 64QAM      | 1       | 1         | 16.54                | 16.81                   | 16.55                 | 17.8                | 0.0      |  |
| 40              | 256QAM     | 1       | 1         | 16.78                | 16.48                   | 16.80                 | 17.8                | 0.0      |  |
| Channel         |            |         |           | 345000               | 349000                  | 353000                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1727.5               | 1745                    | 1762.5                | 17.8                | 0.0      |  |
| 35              | QPSK       | 1       | 1         | 16.63                | 16.41                   | 16.81                 | 17.8                | 0.0      |  |
| Channel         |            |         |           | 345000               | 349000                  | 353000                | Tune-up limit (dB)  | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1725                 | 1745                    | 1765                  | 17.8                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 16.70                | 16.39                   | 16.87                 | 17.8                | 0.0      |  |
| Channel         |            |         |           | 344500               | 349000                  | 353500                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1722.5               | 1745                    | 1767.5                | 17.8                | 0.0      |  |
| 25              | QPSK       | 1       | 1         | 16.82                | 16.50                   | 16.92                 | 17.8                | 0.0      |  |
| Channel         |            |         |           | 344000               | 349000                  | 354000                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1720                 | 1745                    | 1770                  | 17.8                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 16.79                | 16.50                   | 16.73                 | 17.8                | 0.0      |  |
| Channel         |            |         |           | 343500               | 349000                  | 354500                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5               | 1745                    | 1772.5                | 17.8                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 16.67                | 16.56                   | 16.73                 | 17.8                | 0.0      |  |
| Channel         |            |         |           | 343000               | 349000                  | 355000                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                 | 1745                    | 1775                  | 17.8                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 16.65                | 16.53                   | 16.82                 | 17.8                | 0.0      |  |
| Channel         |            |         |           | 342500               | 349000                  | 355500                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5               | 1745                    | 1777.5                | 17.8                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 16.77                | 16.43                   | 16.85                 | 17.8                | 0.0      |  |

| Part27Q n78 Ant 3 |            |         |           |                             |                                |                              |                        |             |
|-------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 633334                      |                                |                              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3500.01                     |                                |                              |                        |             |
| 100               | PI/2 BPSK  | 1       | 1         | 12.63                       | 12.63                          |                              | 14.0                   | 0.0         |
| 100               | PI/2 BPSK  | 1       | 137       | 12.53                       | 12.53                          |                              |                        |             |
| 100               | PI/2 BPSK  | 1       | 271       | 12.65                       | 12.65                          |                              |                        |             |
| 100               | PI/2 BPSK  | 135     | 0         | 12.53                       | 12.53                          |                              | 14.0                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 69        | 12.63                       | 12.63                          |                              | 14.0                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 138       | 12.61                       | 12.61                          |                              | 14.0                   | 0.0         |
| 100               | PI/2 BPSK  | 270     | 0         | 12.62                       | 12.62                          |                              |                        |             |
| 100               | QPSK       | 1       | 1         | 12.67                       | 12.67                          |                              |                        |             |
| 100               | QPSK       | 1       | 137       | 12.63                       | 12.63                          |                              | 14.0                   | 0.0         |
| 100               | QPSK       | 1       | 271       | 12.58                       | 12.58                          |                              |                        |             |
| 100               | QPSK       | 135     | 0         | 12.65                       | 12.65                          |                              |                        |             |
| 100               | QPSK       | 135     | 69        | 12.65                       | 12.65                          |                              | 14.0                   | 0.0         |
| 100               | QPSK       | 135     | 138       | 12.58                       | 12.58                          |                              | 14.0                   | 0.0         |
| 100               | QPSK       | 270     | 0         | 12.63                       | 12.63                          |                              |                        |             |
| 100               | 16QAM      | 1       | 1         | 12.63                       | 12.63                          |                              |                        |             |
| 100               | 64QAM      | 1       | 1         | 12.58                       | 12.58                          |                              | 14.0                   | 0.0         |
| 100               | 256QAM     | 1       | 1         | 12.61                       | 12.61                          |                              | 14.0                   | 0.0         |
| Channel           |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3495                        | 3500.01                        | 3505.02                      |                        |             |
| 90                | QPSK       | 1       | 1         | 12.57                       | 12.59                          | 12.57                        | 14.0                   | 0.0         |
| Channel           |            |         |           | 632668                      | 633334                         | 634000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3490.02                     | 3500.01                        | 3510                         |                        |             |
| 80                | QPSK       | 1       | 1         | 12.62                       | 12.59                          | 12.51                        | 14.0                   | 0.0         |
| Channel           |            |         |           | 632334                      | 633334                         | 634334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3485.01                     | 3500.01                        | 3515.01                      |                        |             |
| 70                | QPSK       | 1       | 1         | 12.62                       | 12.49                          | 12.59                        | 14.0                   | 0.0         |
| Channel           |            |         |           | 632000                      | 633334                         | 634668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3480                        | 3500.01                        | 3520.02                      |                        |             |
| 60                | QPSK       | 1       | 1         | 12.57                       | 12.60                          | 12.60                        | 14.0                   | 0.0         |
| Channel           |            |         |           | 631668                      | 633334                         | 635000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3475.02                     | 3500.01                        | 3525                         |                        |             |
| 50                | QPSK       | 1       | 1         | 12.61                       | 12.55                          | 12.50                        | 14.0                   | 0.0         |
| Channel           |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      |                        |             |
| 40                | QPSK       | 1       | 1         | 12.54                       | 12.61                          | 12.51                        | 14.0                   | 0.0         |
| Channel           |            |         |           | 631000                      | 633334                         | 635668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3465                        | 3500.01                        | 3535.02                      |                        |             |
| 30                | QPSK       | 1       | 1         | 12.56                       | 12.56                          | 12.52                        | 14.0                   | 0.0         |
| Channel           |            |         |           | 630668                      | 633334                         | 636000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3460.02                     | 3500.01                        | 3540                         |                        |             |
| 20                | QPSK       | 1       | 1         | 12.58                       | 12.51                          | 12.51                        | 14.0                   | 0.0         |
| Channel           |            |         |           | 630500                      | 633334                         | 636168                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3457.5                      | 3500.01                        | 3542.52                      |                        |             |
| 15                | QPSK       | 1       | 1         | 12.52                       | 12.57                          | 12.62                        | 14.0                   | 0.0         |
| Channel           |            |         |           | 630334                      | 633334                         | 636334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3455.01                     | 3500.01                        | 3545.01                      |                        |             |
| 10                | QPSK       | 1       | 1         | 12.58                       | 12.52                          | 12.54                        | 14.0                   | 0.0         |

| Part27Q n78 Ant 5 |            |         |           |                             |                                |                              |                        |             |
|-------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           |                             | 633334                         |                              |                        |             |
| Frequency (MHz)   |            |         |           |                             | 3500.01                        |                              |                        |             |
| 100               | PI/2 BPSK  | 1       | 1         |                             | 15.62                          |                              |                        |             |
| 100               | PI/2 BPSK  | 1       | 137       |                             | 15.65                          |                              | 16.5                   | 0.0         |
| 100               | PI/2 BPSK  | 1       | 271       |                             | 15.53                          |                              |                        |             |
| 100               | PI/2 BPSK  | 135     | 0         |                             | 15.63                          |                              | 16.5                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 69        |                             | 15.60                          |                              | 16.5                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 138       |                             | 15.60                          |                              | 16.5                   | 0.0         |
| 100               | PI/2 BPSK  | 270     | 0         |                             | 15.60                          |                              |                        |             |
| 100               | QPSK       | 1       | 1         |                             | 15.67                          |                              |                        |             |
| 100               | QPSK       | 1       | 137       |                             | 15.60                          |                              | 16.5                   | 0.0         |
| 100               | QPSK       | 1       | 271       |                             | 15.59                          |                              |                        |             |
| 100               | QPSK       | 135     | 0         |                             | 15.58                          |                              | 16.5                   | 0.0         |
| 100               | QPSK       | 135     | 69        |                             | 15.66                          |                              | 16.5                   | 0.0         |
| 100               | QPSK       | 135     | 138       |                             | 15.60                          |                              | 16.5                   | 0.0         |
| 100               | QPSK       | 270     | 0         |                             | 15.63                          |                              |                        |             |
| 100               | 16QAM      | 1       | 1         |                             | 15.64                          |                              | 16.5                   | 0.0         |
| 100               | 64QAM      | 1       | 1         |                             | 15.63                          |                              | 16.5                   | 0.0         |
| 100               | 256QAM     | 1       | 1         |                             | 15.57                          |                              | 16.5                   | 0.0         |
| Channel           |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3495                        | 3500.01                        | 3505.02                      | (dBm)                  | (dB)        |
| 90                | QPSK       | 1       | 1         | 15.61                       | 15.59                          | 15.56                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 632668                      | 633334                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3490.02                     | 3500.01                        | 3510                         | (dBm)                  | (dB)        |
| 80                | QPSK       | 1       | 1         | 15.50                       | 15.53                          | 15.57                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 632334                      | 633334                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3485.01                     | 3500.01                        | 3515.01                      | (dBm)                  | (dB)        |
| 70                | QPSK       | 1       | 1         | 15.53                       | 15.50                          | 15.64                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 632000                      | 633334                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3480                        | 3500.01                        | 3520.02                      | (dBm)                  | (dB)        |
| 60                | QPSK       | 1       | 1         | 15.61                       | 15.52                          | 15.56                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 631668                      | 633334                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3475.02                     | 3500.01                        | 3525                         | (dBm)                  | (dB)        |
| 50                | QPSK       | 1       | 1         | 15.63                       | 15.53                          | 15.58                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      | (dBm)                  | (dB)        |
| 40                | QPSK       | 1       | 1         | 15.51                       | 15.57                          | 15.60                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 631000                      | 633334                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3465                        | 3500.01                        | 3535.02                      | (dBm)                  | (dB)        |
| 30                | QPSK       | 1       | 1         | 15.59                       | 15.61                          | 15.63                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 630668                      | 633334                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3460.02                     | 3500.01                        | 3540                         | (dBm)                  | (dB)        |
| 20                | QPSK       | 1       | 1         | 15.60                       | 15.63                          | 15.59                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 630500                      | 633334                         | 636168                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3467.5                      | 3500.01                        | 3542.52                      | (dBm)                  | (dB)        |
| 15                | QPSK       | 1       | 1         | 15.62                       | 15.50                          | 15.59                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 630334                      | 633334                         | 636334                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3455.01                     | 3500.01                        | 3545.01                      | (dBm)                  | (dB)        |
| 10                | QPSK       | 1       | 1         | 15.56                       | 15.53                          | 15.55                        | 16.5                   | 0.0         |

| Part27Q n78 Ant 7 |            |         |           |                       |                          |                        |                     |          |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel           |            |         |           | 633334                |                          |                        | 20.3                | 0.0      |
| Frequency (MHz)   |            |         |           | 3500.01               |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 1         | 19.16                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 137       | 19.19                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 271       | 19.29                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 135     | 0         | 19.24                 |                          |                        | 20.3                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 69        | 19.23                 |                          |                        | 20.3                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 138       | 19.29                 |                          |                        | 20.3                | 0.0      |
| 100               | PI/2 BPSK  | 270     | 0         | 19.17                 |                          |                        |                     |          |
| 100               | QPSK       | 1       | 1         | 19.31                 |                          |                        | 20.3                | 0.0      |
| 100               | QPSK       | 1       | 137       | 19.23                 |                          |                        |                     |          |
| 100               | QPSK       | 1       | 271       | 19.27                 |                          |                        |                     |          |
| 100               | QPSK       | 135     | 0         | 19.25                 |                          |                        | 20.3                | 0.0      |
| 100               | QPSK       | 135     | 69        | 19.29                 |                          |                        | 20.3                | 0.0      |
| 100               | QPSK       | 135     | 138       | 19.21                 |                          |                        | 20.3                | 0.0      |
| 100               | QPSK       | 270     | 0         | 19.27                 |                          |                        | 20.3                | 0.0      |
| 100               | 16QAM      | 1       | 1         | 19.22                 |                          |                        | 20.3                | 0.0      |
| 100               | 64QAM      | 1       | 1         | 19.28                 |                          |                        | 20.3                | 0.0      |
| 100               | 256QAM     | 1       | 1         | 17.84                 |                          |                        | 18.5                | 1.8      |
| Channel           |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3495                  | 3500.01                  | 3505.02                | (dBm)               | (dB)     |
| 90                | QPSK       | 1       | 1         | 19.15                 | 19.22                    | 19.15                  | 20.3                | 0.0      |
| Channel           |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3490.02               | 3500.01                  | 3510                   | (dBm)               | (dB)     |
| 80                | QPSK       | 1       | 1         | 19.13                 | 19.15                    | 19.24                  | 20.3                | 0.0      |
| Channel           |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3485.01               | 3500.01                  | 3515.01                | (dBm)               | (dB)     |
| 70                | QPSK       | 1       | 1         | 19.25                 | 19.14                    | 19.12                  | 20.3                | 0.0      |
| Channel           |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3480                  | 3500.01                  | 3520.02                | (dBm)               | (dB)     |
| 60                | QPSK       | 1       | 1         | 19.20                 | 19.16                    | 19.13                  | 20.3                | 0.0      |
| Channel           |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3475.02               | 3500.01                  | 3525                   | (dBm)               | (dB)     |
| 50                | QPSK       | 1       | 1         | 19.16                 | 19.25                    | 19.20                  | 20.3                | 0.0      |
| Channel           |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3470.01               | 3500.01                  | 3530.01                | (dBm)               | (dB)     |
| 40                | QPSK       | 1       | 1         | 19.25                 | 19.15                    | 19.22                  | 20.3                | 0.0      |
| Channel           |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3465                  | 3500.01                  | 3535.02                | (dBm)               | (dB)     |
| 30                | QPSK       | 1       | 1         | 19.23                 | 19.22                    | 19.18                  | 20.3                | 0.0      |
| Channel           |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3460.02               | 3500.01                  | 3540                   | (dBm)               | (dB)     |
| 20                | QPSK       | 1       | 1         | 19.19                 | 19.19                    | 19.21                  | 20.3                | 0.0      |
| Channel           |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3457.5                | 3500.01                  | 3542.52                | (dBm)               | (dB)     |
| 15                | QPSK       | 1       | 1         | 19.25                 | 19.20                    | 19.19                  | 20.3                | 0.0      |
| Channel           |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3455.01               | 3500.01                  | 3545.01                | (dBm)               | (dB)     |
| 10                | QPSK       | 1       | 1         | 19.18                 | 19.23                    | 19.17                  | 20.3                | 0.0      |

| Part27Q n78 Ant 9 |            |         |           |                             |                                |                              |                        |             |
|-------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3495                        | 3500.01                        | 3505.02                      |                        |             |
| 100               | PI/2 BPSK  | 1       | 1         | 20.66                       | 20.75                          | 20.57                        | 22.0                   | 0.0         |
| 100               | PI/2 BPSK  | 1       | 137       | 20.66                       | 20.75                          | 20.57                        | 22.0                   | 0.0         |
| 100               | PI/2 BPSK  | 1       | 271       | 20.66                       | 20.75                          | 20.57                        | 22.0                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 0         | 20.66                       | 20.75                          | 20.57                        | 21.5                   | 0.5         |
| 100               | PI/2 BPSK  | 135     | 69        | 20.66                       | 20.75                          | 20.57                        | 22.0                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 138       | 20.66                       | 20.75                          | 20.57                        | 21.5                   | 0.5         |
| 100               | PI/2 BPSK  | 270     | 0         | 20.66                       | 20.75                          | 20.57                        | 21.5                   | 0.5         |
| 100               | QPSK       | 1       | 1         | 20.79                       | 20.79                          | 20.79                        | 22.0                   | 0.0         |
| 100               | QPSK       | 1       | 137       | 20.66                       | 20.66                          | 20.66                        | 22.0                   | 0.0         |
| 100               | QPSK       | 1       | 271       | 20.66                       | 20.66                          | 20.66                        | 22.0                   | 0.0         |
| 100               | QPSK       | 135     | 0         | 19.72                       | 19.72                          | 19.72                        | 21.0                   | 1.0         |
| 100               | QPSK       | 135     | 69        | 20.75                       | 20.75                          | 20.75                        | 22.0                   | 0.0         |
| 100               | QPSK       | 135     | 138       | 19.66                       | 19.66                          | 19.66                        | 21.0                   | 1.0         |
| 100               | QPSK       | 270     | 0         | 19.72                       | 19.72                          | 19.72                        | 21.0                   | 1.0         |
| 100               | 16QAM      | 1       | 1         | 19.71                       | 19.71                          | 19.71                        | 21.0                   | 1.0         |
| 100               | 64QAM      | 1       | 1         | 18.18                       | 18.18                          | 18.18                        | 19.5                   | 2.5         |
| 100               | 256QAM     | 1       | 1         | 16.16                       | 16.16                          | 16.16                        | 17.5                   | 4.5         |
| Channel           |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3495                        | 3500.01                        | 3505.02                      |                        |             |
| 90                | QPSK       | 1       | 1         | 20.66                       | 20.75                          | 20.57                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 632668                      | 633334                         | 634000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3490.02                     | 3500.01                        | 3510                         |                        |             |
| 80                | QPSK       | 1       | 1         | 20.61                       | 20.63                          | 20.64                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 632334                      | 633334                         | 634334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3485.01                     | 3500.01                        | 3515.01                      |                        |             |
| 70                | QPSK       | 1       | 1         | 20.74                       | 20.72                          | 20.65                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 632000                      | 633334                         | 634668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3480                        | 3500.01                        | 3520.02                      |                        |             |
| 60                | QPSK       | 1       | 1         | 20.71                       | 20.62                          | 20.66                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 631668                      | 633334                         | 635000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3475.02                     | 3500.01                        | 3525                         |                        |             |
| 50                | QPSK       | 1       | 1         | 20.75                       | 20.59                          | 20.76                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      |                        |             |
| 40                | QPSK       | 1       | 1         | 20.64                       | 20.66                          | 20.66                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 631000                      | 633334                         | 635668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3465                        | 3500.01                        | 3535.02                      |                        |             |
| 30                | QPSK       | 1       | 1         | 20.59                       | 20.75                          | 20.66                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 630668                      | 633334                         | 636000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3460.02                     | 3500.01                        | 3540                         |                        |             |
| 20                | QPSK       | 1       | 1         | 20.69                       | 20.73                          | 20.78                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 630500                      | 633334                         | 636168                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3467.5                      | 3500.01                        | 3542.52                      |                        |             |
| 15                | QPSK       | 1       | 1         | 20.60                       | 20.65                          | 20.69                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 630334                      | 633334                         | 636334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3455.01                     | 3500.01                        | 3545.01                      |                        |             |
| 10                | QPSK       | 1       | 1         | 20.72                       | 20.71                          | 20.61                        | 22.0                   | 0.0         |

## Reduced Power Mode for DS14

| n5 Ant 0        |            |         |           |                       |                          |                        |                     |          |     |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |  |
| Channel         |            |         |           | 166800                | 167300                   | 167800                 | 24.0                | 0.0      |     |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |     |  |
| 20              | PI/2 BPSK  | 1       | 1         | 23.11                 | 23.21                    | 23.17                  |                     |          |     |  |
| 20              | PI/2 BPSK  | 1       | 53        | 23.01                 | 23.18                    | 23.10                  | 23.5                | 0.5      |     |  |
| 20              | PI/2 BPSK  | 1       | 104       | 23.03                 | 23.04                    | 22.92                  |                     |          |     |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.53                 | 22.65                    | 22.65                  |                     | 24.0     | 0.0 |  |
| 20              | PI/2 BPSK  | 50      | 28        | 22.97                 | 23.14                    | 23.15                  | 23.5                |          | 0.5 |  |
| 20              | PI/2 BPSK  | 50      | 56        | 22.39                 | 22.58                    | 22.38                  |                     |          |     |  |
| 20              | PI/2 BPSK  | 100     | 0         | 22.54                 | 22.63                    | 22.52                  |                     |          |     |  |
| 20              | QPSK       | 1       | 1         | 23.23                 | 23.25                    | 23.24                  | 24.0                | 0.0      |     |  |
| 20              | QPSK       | 1       | 53        | 23.14                 | 23.15                    | 23.00                  |                     |          |     |  |
| 20              | QPSK       | 1       | 104       | 22.92                 | 23.07                    | 23.08                  |                     | 23.0     | 1.0 |  |
| 20              | QPSK       | 50      | 0         | 22.01                 | 22.19                    | 22.20                  | 24.0                |          | 0.0 |  |
| 20              | QPSK       | 50      | 28        | 23.11                 | 23.13                    | 22.97                  |                     |          |     |  |
| 20              | QPSK       | 50      | 56        | 22.00                 | 22.12                    | 22.13                  |                     |          |     |  |
| 20              | QPSK       | 100     | 0         | 22.15                 | 22.17                    | 22.10                  | 23.0                | 1.0      |     |  |
| 20              | 16QAM      | 1       | 1         | 22.17                 | 22.36                    | 22.16                  |                     | 1.0      |     |  |
| 20              | 64QAM      | 1       | 1         | 20.82                 | 20.86                    | 20.86                  |                     | 2.5      |     |  |
| 20              | 256QAM     | 1       | 1         | 18.85                 | 18.87                    | 18.80                  | 19.5                |          |     |  |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | 24.0                | 0.0      |     |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |     |  |
| 15              | QPSK       | 1       | 1         | 23.21                 | 23.07                    | 23.16                  |                     |          |     |  |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 | 24.0                | 0.0      |     |  |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |          |     |  |
| 10              | QPSK       | 1       | 1         | 23.03                 | 23.16                    | 23.18                  |                     |          |     |  |
| Channel         |            |         |           | 165300                | 167300                   | 169300                 | 24.0                | 0.0      |     |  |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |     |  |
| 5               | QPSK       | 1       | 1         | 23.05                 | 23.06                    | 23.16                  |                     |          |     |  |

| n26 Ant 0       |            |         |           |                       |                          |                        |                     |          |      |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |      |
| Channel         |            |         |           | 164800                | 166300                   | 167800                 | 24.0                | 0.0      |      |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    |                     |          |      |
| 20              | PI/2 BPSK  | 1       | 1         | 23.57                 | 23.48                    | 23.54                  |                     |          |      |
| 20              | PI/2 BPSK  | 1       | 53        | 23.43                 | 23.45                    | 23.63                  | 24.0                | 0.5      |      |
| 20              | PI/2 BPSK  | 1       | 104       | 23.57                 | 23.64                    | 23.41                  |                     |          |      |
| 20              | PI/2 BPSK  | 50      | 0         | 23.07                 | 23.20                    | 23.11                  |                     |          |      |
| 20              | PI/2 BPSK  | 50      | 28        | 23.56                 | 23.51                    | 23.43                  | 23.5                | 0.0      |      |
| 20              | PI/2 BPSK  | 50      | 56        | 23.04                 | 23.15                    | 23.06                  |                     |          |      |
| 20              | PI/2 BPSK  | 100     | 0         | 23.02                 | 23.22                    | 23.19                  |                     |          |      |
| 20              | QPSK       | 1       | 1         | 23.58                 | 23.65                    | 23.62                  | 24.0                | 0.0      |      |
| 20              | QPSK       | 1       | 53        | 23.37                 | 23.65                    | 23.49                  |                     |          |      |
| 20              | QPSK       | 1       | 104       | 23.54                 | 23.54                    | 23.44                  |                     |          |      |
| 20              | QPSK       | 50      | 0         | 22.67                 | 22.67                    | 22.56                  | 23.0                | 1.0      |      |
| 20              | QPSK       | 50      | 28        | 23.50                 | 23.52                    | 23.45                  |                     |          |      |
| 20              | QPSK       | 50      | 56        | 22.53                 | 22.70                    | 22.71                  |                     |          |      |
| 20              | QPSK       | 100     | 0         | 22.51                 | 22.58                    | 22.57                  | 23.0                | 1.0      |      |
| 20              | 16QAM      | 1       | 1         | 22.47                 | 22.60                    | 22.61                  |                     |          |      |
| 20              | 64QAM      | 1       | 1         | 21.03                 | 21.12                    | 21.03                  |                     |          |      |
| 20              | 256QAM     | 1       | 1         | 19.02                 | 19.16                    | 19.07                  | 19.5                | 4.5      |      |
| Channel         |            |         |           | 164300                | 166300                   | 168300                 |                     |          |      |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  |                     |          |      |
| 15              | QPSK       | 1       | 1         | 23.51                 | 23.60                    | 23.42                  | 24.0                | 0.0      |      |
| Channel         |            |         |           | 163800                | 166300                   | 168800                 | 24.0                | MPR (dB) |      |
| Frequency (MHz) |            |         |           | 819                   | 831.5                    | 844                    |                     |          |      |
| 10              | QPSK       | 1       | 1         | 23.54                 | 23.47                    | 23.44                  |                     |          |      |
| Channel         |            |         |           | 163300                | 166300                   | 169300                 | 24.0                | MPR (dB) |      |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  |                     |          |      |
| 5               | QPSK       | 1       | 1         | 23.48                 | 23.50                    | 23.53                  |                     |          | 24.0 |

n2 Ant 1

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 372000                | 376000                   | 380000                 |                     |          |
| Frequency (MHz) |            |         |           | 1860                  | 1860                     | 1900                   |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 23.45                 | 23.45                    | 23.26                  |                     |          |
| 20              | PI2 BPSK   | 1       | 53        | 23.41                 | 23.44                    | 23.25                  | 24.0                | 0.0      |
| 20              | PI2 BPSK   | 1       | 104       | 23.27                 | 23.47                    | 23.30                  | 23.5                | 0.5      |
| 20              | PI2 BPSK   | 50      | 0         | 22.76                 | 22.81                    | 22.82                  | 23.5                | 0.5      |
| 20              | PI2 BPSK   | 50      | 28        | 23.40                 | 23.43                    | 23.41                  | 24.0                | 0.0      |
| 20              | PI2 BPSK   | 50      | 56        | 22.73                 | 22.88                    | 22.87                  | 23.5                | 0.5      |
| 20              | PI2 BPSK   | 100     | 0         | 22.79                 | 22.91                    | 22.73                  |                     |          |
| 20              | QPSK       | 1       | 1         | 23.45                 | 23.46                    | 23.43                  |                     |          |
| 20              | QPSK       | 1       | 53        | 23.40                 | 23.45                    | 23.39                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 104       | 23.45                 | 23.43                    | 23.31                  |                     |          |
| 20              | QPSK       | 50      | 0         | 22.32                 | 22.42                    | 22.29                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 28        | 23.24                 | 23.43                    | 23.30                  | 24.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 22.26                 | 22.36                    | 22.38                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 22.34                 | 22.41                    | 22.32                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 22.46                 | 22.58                    | 22.52                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 21.12                 | 21.11                    | 21.00                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.88                 | 19.06                    | 18.93                  | 19.5                | 4.5      |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1867.5                | 1880                     | 1902.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 23.44                 | 23.40                    | 23.37                  | 24.0                | 0.0      |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1905                  | 1900                     | 1905                   |                     |          |
| 10              | QPSK       | 1       | 1         | 23.26                 | 23.40                    | 23.39                  | 24.0                | 0.0      |
| Channel         |            |         |           | 370500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1862.5                | 1880                     | 1907.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 23.34                 | 23.41                    | 23.44                  | 24.0                | 0.0      |

n7 Ant 1

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 504000                | 507000                   | 510000                 |                     |          |
| Frequency (MHz) |            |         |           | 2620                  | 2635                     | 2650                   |                     |          |
| 40              | PI2 BPSK   | 1       | 1         | 23.46                 | 23.38                    | 23.22                  |                     |          |
| 40              | PI2 BPSK   | 1       | 135       | 23.41                 | 23.27                    | 23.24                  | 24.0                | 0.0      |
| 40              | PI2 BPSK   | 1       | 268       | 23.13                 | 23.41                    | 23.19                  | 23.5                | 0.5      |
| 40              | PI2 BPSK   | 135     | 0         | 22.87                 | 22.73                    | 22.66                  | 23.5                | 0.5      |
| 40              | PI2 BPSK   | 135     | 68        | 23.20                 | 23.33                    | 23.34                  | 24.0                | 0.0      |
| 40              | PI2 BPSK   | 135     | 135       | 22.56                 | 22.84                    | 22.69                  | 23.5                | 0.5      |
| 40              | PI2 BPSK   | 270     | 0         | 22.73                 | 22.91                    | 22.58                  |                     |          |
| 40              | QPSK       | 1       | 1         | 23.42                 | 23.47                    | 23.29                  |                     |          |
| 40              | QPSK       | 1       | 135       | 23.22                 | 23.27                    | 23.35                  | 24.0                | 0.0      |
| 40              | QPSK       | 1       | 268       | 23.28                 | 23.38                    | 23.17                  |                     |          |
| 40              | QPSK       | 135     | 0         | 22.13                 | 22.42                    | 22.21                  | 23.0                | 1.0      |
| 40              | QPSK       | 135     | 68        | 23.06                 | 23.25                    | 23.09                  | 24.0                | 0.0      |
| 40              | QPSK       | 135     | 135       | 22.16                 | 22.18                    | 22.36                  | 23.0                | 1.0      |
| 40              | QPSK       | 270     | 0         | 22.28                 | 22.41                    | 22.21                  |                     |          |
| 40              | 16QAM      | 1       | 1         | 22.46                 | 22.38                    | 22.36                  | 23.0                | 1.0      |
| 40              | 64QAM      | 1       | 1         | 21.09                 | 20.98                    | 21.00                  | 21.5                | 2.5      |
| 40              | 256QAM     | 1       | 1         | 18.84                 | 18.96                    | 18.77                  | 19.5                | 4.5      |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2615                  | 2635                     | 2655                   |                     |          |
| 30              | QPSK       | 1       | 1         | 23.20                 | 23.38                    | 23.25                  | 24.0                | 0.0      |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2612.5                | 2635                     | 2657.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 23.39                 | 23.30                    | 23.20                  | 24.0                | 0.0      |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2610                  | 2635                     | 2650                   |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 23.23                 | 23.32                    | 23.11                  | 24.0                | 0.0      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2607.5                | 2635                     | 2662.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 23.42                 | 23.37                    | 23.08                  | #REF!               | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2605                  | 2635                     | 2665                   |                     |          |
| 10              | QPSK       | 1       | 1         | 23.33                 | 23.40                    | 23.20                  | 24.0                | 0.0      |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2592.5                | 2635                     | 2667.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 23.42                 | 23.36                    | 23.06                  | 24.0                | 0.0      |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 346000                | 348000                   | 350000                 |                     |          |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |
| 40              | PI2 BPSK   | 1       | 1         | 23.13                 | 23.02                    | 22.98                  |                     |          |
| 40              | PI2 BPSK   | 1       | 108       | 23.10                 | 22.86                    | 23.03                  | 24.0                | 0.0      |
| 40              | PI2 BPSK   | 1       | 214       | 22.76                 | 23.04                    | 22.79                  | 23.5                | 0.5      |
| 40              | PI2 BPSK   | 108     | 0         | 22.37                 | 22.50                    | 22.34                  | 23.5                | 0.5      |
| 40              | PI2 BPSK   | 108     | 54        | 22.86                 | 23.01                    | 23.03                  | 24.0                | 0.0      |
| 40              | PI2 BPSK   | 108     | 108       | 22.15                 | 22.83                    | 22.37                  | 23.5                | 0.5      |
| 40              | PI2 BPSK   | 216     | 0         | 22.51                 | 22.53                    | 22.38                  |                     |          |
| 40              | QPSK       | 1       | 1         | 23.21                 | 23.25                    | 23.11                  |                     |          |
| 40              | QPSK       | 1       | 108       | 23.03                 | 23.07                    | 23.17                  | 24.0                | 0.0      |
| 40              | QPSK       | 1       | 214       | 22.88                 | 23.05                    | 22.78                  |                     |          |
| 40              | QPSK       | 108     | 0         | 21.73                 | 22.00                    | 21.95                  | 23.0                | 1.0      |
| 40              | QPSK       | 108     | 54        | 22.73                 | 22.87                    | 22.85                  | 24.0                | 0.0      |
| 40              | QPSK       | 108     | 108       | 21.94                 | 21.95                    | 22.14                  | 23.0                | 1.0      |
| 40              | QPSK       | 216     | 0         | 21.89                 | 22.15                    | 22.01                  |                     |          |
| 40              | 16QAM      | 1       | 1         | 22.14                 | 22.20                    | 22.04                  | 23.0                | 1.0      |
| 40              | 64QAM      | 1       | 1         | 20.89                 | 20.88                    | 20.79                  | 21.5                | 2.5      |
| 40              | 256QAM     | 1       | 1         | 18.47                 | 18.57                    | 18.37                  | 19.5                | 4.5      |
| Channel         |            |         |           | 345000                | 348000                   | 352500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1727.5                | 1745                     | 1762.5                 |                     |          |
| 35              | QPSK       | 1       | 1         | 23.01                 | 23.18                    | 22.90                  | #VALUE!             | 0.0      |
| Channel         |            |         |           | 345000                | 349000                   | 353000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   |                     |          |
| 30              | QPSK       | 1       | 1         | 23.12                 | 23.09                    | 22.94                  | 24.0                | 0.0      |
| Channel         |            |         |           | 344500                | 349000                   | 353500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1722.5                | 1745                     | 1767.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 23.10                 | 23.08                    | 23.09                  | 24.0                | 0.0      |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |
| 20              | QPSK       | 1       | 1         | 23.20                 | 23.06                    | 22.99                  | 24.0                | 0.0      |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 23.22                 | 23.15                    | 23.03                  | 24.0                | 0.0      |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |
| 10              | QPSK       | 1       | 1         | 23.01                 | 23.06                    | 23.02                  | 24.0                | 0.0      |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 22.99                 | 23.18                    | 22.89                  | 24.0                | 0.0      |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 372000                | 376000                   | 380000                 |                     |          |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 22.66                 | 22.77                    | 22.60                  |                     |          |
| 20              | PI2 BPSK   | 1       | 53        | 22.74                 | 22.82                    | 22.74                  | 24.0                | 0.0      |
| 20              | PI2 BPSK   | 1       | 104       | 22.72                 | 22.78                    | 22.66                  |                     |          |
| 20              | PI2 BPSK   | 50      | 0         | 22.16                 | 22.15                    | 21.99                  | 23.5                | 0.5      |
| 20              | PI2 BPSK   | 50      | 28        | 22.68                 | 22.74                    | 22.52                  | 24.0                | 0.0      |
| 20              | PI2 BPSK   | 50      | 56        | 22.17                 | 22.20                    | 22.09                  | 23.5                | 0.5      |
| 20              | PI2 BPSK   | 100     | 0         | 22.21                 | 22.19                    | 21.98                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.81                 | 22.83                    | 22.78                  |                     |          |
| 20              | QPSK       | 1       | 53        | 22.81                 | 22.81                    | 22.81                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 104       | 22.61                 | 22.80                    | 22.74                  |                     |          |
| 20              | QPSK       | 50      | 0         | 21.87                 | 21.69                    | 21.66                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 28        | 22.70                 | 22.75                    | 22.63                  | 24.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 21.57                 | 21.67                    | 21.55                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.85                 | 21.72                    | 21.54                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.69                 | 21.85                    | 21.79                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 20.29                 | 20.39                    | 20.38                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.15                 | 18.36                    | 18.32                  | 19.5                | 4.5      |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1867.5                | 1880                     | 1902.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 22.81                 | 22.68                    | 22.67                  | 24.0                | 0.0      |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1905                  | 1900                     | 1905                   |                     |          |
| 10              | QPSK       | 1       | 1         | 22.70                 | 22.67                    | 22.72                  | 24.0                | 0.0      |
| Channel         |            |         |           | 375500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1862.5                | 1880                     | 1907.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 22.77                 | 22.75                    | 22.76                  | 24.0                | 0.0      |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 166800                | 167300                   | 167800                 |                     |          |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 22.97                 | 23.15                    | 22.94                  |                     |          |
| 20              | PI2 BPSK   | 1       | 53        | 22.97                 | 23.09                    | 23.03                  | 24.0                | 0.0      |
| 20              | PI2 BPSK   | 1       | 104       | 23.02                 | 23.04                    | 23.07                  |                     |          |
| 20              | PI2 BPSK   | 50      | 0         | 22.46                 | 22.37                    | 22.34                  | 23.5                | 0.5      |
| 20              | PI2 BPSK   | 50      | 28        | 22.87                 | 23.13                    | 22.87                  | 24.0                | 0.0      |
| 20              | PI2 BPSK   | 50      | 56        | 22.46                 | 22.39                    | 22.44                  | 23.5                | 0.5      |
| 20              | PI2 BPSK   | 100     | 0         | 22.63                 | 22.54                    | 22.23                  |                     |          |
| 20              | QPSK       | 1       | 1         | 23.09                 | 23.16                    | 23.13                  |                     |          |
| 20              | QPSK       | 1       | 53        | 22.99                 | 23.09                    | 23.12                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 104       | 22.88                 | 23.11                    | 22.95                  |                     |          |
| 20              | QPSK       | 50      | 0         | 22.08                 | 22.03                    | 22.07                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 28        | 23.04                 | 23.07                    | 23.04                  | 24.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 21.93                 | 22.01                    | 21.80                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.90                 | 22.00                    | 21.89                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.93                 | 22.19                    | 22.16                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 20.48                 | 20.74                    | 20.69                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.39                 | 18.66                    | 18.53                  | 19.5                | 4.5      |
| Channel         |            |         |           | 166300                | 167300                   | 167800                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |
| 15              | QPSK       | 1       | 1         | 23.11                 | 22.99                    | 23.04                  | 24.0                | 0.0      |
| Channel         |            |         |           | 166800                | 167300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 820                   | 836.5                    | 844                    |                     |          |
| 10              | QPSK       | 1       | 1         | 23.11                 | 23.12                    | 22.93                  | 24.0                | 0.0      |
| Channel         |            |         |           | 166300                | 167300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |
| 5               | QPSK       | 1       | 1         | 22.98                 | 22.97                    | 23.06                  | 24.0                | 0.0      |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 504000                | 507000                   | 510000                 |                     |          |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |
| 40              | PI2 BPSK   | 1       | 1         | 22.99                 | 23.17                    | 22.76                  |                     |          |
| 40              | PI2 BPSK   | 1       | 135       | 23.00                 | 23.09                    | 22.92                  | 24.0                | 0.0      |
| 40              | PI2 BPSK   | 1       | 268       | 23.02                 | 22.96                    | 23.11                  |                     |          |
| 40              | PI2 BPSK   | 135     | 0         | 22.44                 | 22.31                    | 22.31                  | 23.5                | 0.5      |
| 40              | PI2 BPSK   | 135     | 68        | 22.85                 | 23.13                    | 22.82                  | 24.0                | 0.0      |
| 40              | PI2 BPSK   | 135     | 135       | 22.43                 | 22.38                    | 22.34                  | 23.5                | 0.5      |
| 40              | PI2 BPSK   | 270     | 0         | 22.53                 | 22.44                    | 22.11                  |                     |          |
| 40              | QPSK       | 1       | 1         | 23.07                 | 23.25                    | 23.13                  |                     |          |
| 40              | QPSK       | 1       | 135       | 22.95                 | 23.01                    | 23.16                  | 24.0                | 0.0      |
| 40              | QPSK       | 1       | 268       | 22.79                 | 23.21                    | 22.83                  |                     |          |
| 40              | QPSK       | 135     | 0         | 22.02                 | 22.14                    | 22.12                  | 23.0                | 1.0      |
| 40              | QPSK       | 135     | 68        | 22.94                 | 23.08                    | 23.06                  | 24.0                | 0.0      |
| 40              | QPSK       | 135     | 135       | 21.88                 | 21.92                    | 21.73                  | 23.0                | 1.0      |
| 40              | QPSK       | 270     | 0         | 21.92                 | 22.06                    | 21.98                  |                     |          |
| 40              | 16QAM      | 1       | 1         | 21.94                 | 22.20                    | 22.24                  | 23.0                | 1.0      |
| 40              | 64QAM      | 1       | 1         | 20.52                 | 20.73                    | 20.79                  | 21.5                | 2.5      |
| 40              | 256QAM     | 1       | 1         | 18.28                 | 18.68                    | 18.42                  | 19.5                | 4.5      |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |
| 30              | QPSK       | 1       | 1         | 22.95                 | 23.04                    | 23.10                  | 24.0                | 0.0      |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 22.98                 | 23.05                    | 23.12                  | 24.0                | 0.0      |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 22.89                 | 23.22                    | 22.98                  | 24.0                | 0.0      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 23.01                 | 23.22                    | 22.96                  | 24.0                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 22.94                 | 23.07                    | 22.94                  | 24.0                | 0.0      |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 22.87                 | 23.07                    | 22.96                  | 24.0                | 0.0      |

| n26 Ant 4       |            |         |           |                      |                         |                       |                     |          |
|-----------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq | Power Middle Ch. / Freq | Power High Ch. / Freq | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 168500               | 168300                  | 167600                | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 824                  | 831.5                   | 839                   |                     |          |
| 20              | PI/2 BPSK  | 1       | 1         | 23.14                | 23.28                   | 22.94                 |                     |          |
| 20              | PI/2 BPSK  | 1       | 53        | 23.11                | 23.18                   | 23.12                 | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 1       | 104       | 23.17                | 23.10                   | 23.20                 |                     |          |
| 20              | PI/2 BPSK  | 50      | 0         | 22.82                | 22.40                   | 22.51                 |                     |          |
| 20              | PI/2 BPSK  | 50      | 28        | 23.00                | 23.32                   | 23.05                 | 24.0                | 0.0      |
| 20              | PI/2 BPSK  | 50      | 58        | 22.50                | 22.43                   | 22.61                 | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 100     | 0         | 22.73                | 22.66                   | 22.39                 | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 1         | 23.21                | 23.39                   | 23.25                 |                     |          |
| 20              | QPSK       | 1       | 53        | 23.12                | 23.15                   | 23.20                 |                     |          |
| 20              | QPSK       | 1       | 104       | 22.93                | 23.30                   | 23.08                 | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 0         | 22.29                | 22.07                   | 22.10                 |                     |          |
| 20              | QPSK       | 50      | 28        | 23.15                | 23.19                   | 23.13                 |                     |          |
| 20              | QPSK       | 50      | 58        | 22.96                | 22.16                   | 21.84                 | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.93                | 22.02                   | 22.00                 | 23.0                | 1.0      |
| 20              | 16QAM      | 1       | 1         | 22.00                | 22.36                   | 22.31                 |                     |          |
| 20              | 64QAM      | 1       | 1         | 20.87                | 20.87                   | 20.74                 |                     |          |
| 20              | 256QAM     | 1       | 1         | 18.52                | 18.87                   | 18.68                 | 19.5                | 4.5      |
| Channel         |            |         |           | 168300               | 168300                  | 168300                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 821.5                | 831.5                   | 841.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 23.20                | 23.26                   | 23.17                 | 24.0                | 0.0      |
| Channel         |            |         |           | 163800               | 166300                  | 166800                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 117                  | 831.5                   | 841                   |                     |          |
| 10              | QPSK       | 1       | 1         | 23.04                | 23.37                   | 23.20                 | 24.0                | 0.0      |
| Channel         |            |         |           | 163300               | 166300                  | 169300                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 816.5                | 831.5                   | 846.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 23.16                | 23.25                   | 23.15                 | 24.0                | 0.0      |

| n66 Ant 4       |            |         |           |                      |                         |                       |                     |          |
|-----------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq | Power Middle Ch. / Freq | Power High Ch. / Freq | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 345000               | 345000                  | 345000                | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 1730                 | 1745                    | 1760                  |                     |          |
| 40              | PI/2 BPSK  | 1       | 1         | 22.22                | 22.19                   | 22.31                 |                     |          |
| 40              | PI/2 BPSK  | 1       | 108       | 22.07                | 22.30                   | 22.09                 | 23.5                | 0.5      |
| 40              | PI/2 BPSK  | 1       | 214       | 22.07                | 22.01                   | 22.19                 |                     |          |
| 40              | PI/2 BPSK  | 108     | 0         | 21.96                | 21.96                   | 21.92                 |                     |          |
| 40              | PI/2 BPSK  | 108     | 54        | 22.08                | 22.33                   | 22.05                 | 24.0                | 0.0      |
| 40              | PI/2 BPSK  | 108     | 108       | 21.94                | 21.84                   | 21.72                 | 23.5                | 0.5      |
| 40              | PI/2 BPSK  | 216     | 0         | 21.77                | 21.90                   | 21.58                 | 24.0                | 0.0      |
| 40              | QPSK       | 1       | 1         | 22.33                | 22.43                   | 22.36                 |                     |          |
| 40              | QPSK       | 1       | 108       | 22.31                | 22.13                   | 22.32                 |                     |          |
| 40              | QPSK       | 1       | 214       | 22.30                | 22.34                   | 22.14                 | 23.0                | 1.0      |
| 40              | QPSK       | 108     | 0         | 21.56                | 21.63                   | 21.58                 |                     |          |
| 40              | QPSK       | 108     | 54        | 22.09                | 22.25                   | 22.09                 |                     |          |
| 40              | QPSK       | 108     | 108       | 21.01                | 21.16                   | 21.66                 | 23.0                | 1.0      |
| 40              | QPSK       | 216     | 0         | 21.46                | 21.47                   | 21.01                 | 23.0                | 1.0      |
| 40              | 16QAM      | 1       | 1         | 21.05                | 21.27                   | 21.34                 |                     |          |
| 40              | 64QAM      | 1       | 1         | 19.61                | 19.91                   | 19.85                 |                     |          |
| 40              | 256QAM     | 1       | 1         | 17.52                | 17.88                   | 17.78                 | 19.5                | 4.5      |
| Channel         |            |         |           | 345000               | 345000                  | 345000                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1727.5               | 1745                    | 1762.5                |                     |          |
| 35              | QPSK       | 1       | 1         | 22.29                | 22.22                   | 22.15                 | 24.0                | 0.0      |
| Channel         |            |         |           | 345000               | 349000                  | 353000                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1725                 | 1745                    | 1765                  |                     |          |
| 30              | QPSK       | 1       | 1         | 22.29                | 22.34                   | 22.27                 | 24.0                | 0.0      |
| Channel         |            |         |           | 344500               | 349000                  | 353500                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1722.5               | 1745                    | 1767.5                |                     |          |
| 25              | QPSK       | 1       | 1         | 22.16                | 22.37                   | 22.32                 | 24.0                | 0.0      |
| Channel         |            |         |           | 344000               | 349000                  | 354000                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1720                 | 1745                    | 1770                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.32                | 22.41                   | 22.16                 | 24.0                | 0.0      |
| Channel         |            |         |           | 343500               | 349000                  | 354500                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1717.5               | 1745                    | 1772.5                |                     |          |
| 15              | QPSK       | 1       | 1         | 22.33                | 22.42                   | 22.33                 | 24.0                | 0.0      |
| Channel         |            |         |           | 343000               | 349000                  | 355000                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1715                 | 1745                    | 1775                  |                     |          |
| 10              | QPSK       | 1       | 1         | 22.16                | 22.33                   | 22.38                 | 24.0                | 0.0      |
| Channel         |            |         |           | 342500               | 349000                  | 355500                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1712.5               | 1745                    | 1777.5                |                     |          |
| 5               | QPSK       | 1       | 1         | 22.16                | 22.25                   | 22.30                 | 24.0                | 0.0      |

| Part27Q n78 Ant 3 |            |         |           |                             |                                |                              |                        |             |
|-------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3495                        | 3500.01                        | 3505.02                      | (dBm)                  | (dB)        |
| 100               | PI/2 BPSK  | 1       | 1         | 16.56                       | 16.59                          | 16.51                        | 17.8                   | 0.0         |
| 100               | PI/2 BPSK  | 1       | 137       | 16.51                       | 16.48                          | 16.56                        | 17.8                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 0         | 16.56                       | 16.61                          | 16.51                        | 17.8                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 69        | 16.62                       | 16.47                          | 16.55                        | 17.8                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 138       | 16.55                       | 16.60                          | 16.57                        | 17.8                   | 0.0         |
| 100               | PI/2 BPSK  | 270     | 0         | 16.51                       | 16.57                          | 16.53                        | 17.8                   | 0.0         |
| 100               | QPSK       | 1       | 1         | 16.46                       | 16.55                          | 16.56                        | 17.8                   | 0.0         |
| 100               | QPSK       | 1       | 137       | 16.46                       | 16.52                          | 16.43                        | 17.8                   | 0.0         |
| 100               | QPSK       | 1       | 271       | 16.46                       | 16.52                          | 16.43                        | 17.8                   | 0.0         |
| 100               | QPSK       | 135     | 0         | 16.46                       | 16.52                          | 16.43                        | 17.8                   | 0.0         |
| 100               | QPSK       | 135     | 69        | 16.46                       | 16.52                          | 16.43                        | 17.8                   | 0.0         |
| 100               | QPSK       | 135     | 138       | 16.46                       | 16.52                          | 16.43                        | 17.8                   | 0.0         |
| 100               | QPSK       | 270     | 0         | 16.46                       | 16.52                          | 16.43                        | 17.8                   | 0.0         |
| 100               | 16QAM      | 1       | 1         | 16.46                       | 16.52                          | 16.43                        | 17.8                   | 0.0         |
| 100               | 64QAM      | 1       | 1         | 16.46                       | 16.52                          | 16.43                        | 17.8                   | 0.0         |
| 100               | 256QAM     | 1       | 1         | 15.65                       | 15.65                          | 15.65                        | 17.5                   | 0.3         |
| Channel           |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3495                        | 3500.01                        | 3505.02                      | (dBm)                  | (dB)        |
| 90                | QPSK       | 1       | 1         | 16.55                       | 16.48                          | 16.52                        | 17.8                   | 0.0         |
| Channel           |            |         |           | 632668                      | 633334                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3490.02                     | 3500.01                        | 3510                         | (dBm)                  | (dB)        |
| 80                | QPSK       | 1       | 1         | 16.43                       | 16.50                          | 16.51                        | 17.8                   | 0.0         |
| Channel           |            |         |           | 632334                      | 633334                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3485.01                     | 3500.01                        | 3515.01                      | (dBm)                  | (dB)        |
| 70                | QPSK       | 1       | 1         | 16.58                       | 16.50                          | 16.49                        | 17.8                   | 0.0         |
| Channel           |            |         |           | 632000                      | 633334                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3480                        | 3500.01                        | 3520.02                      | (dBm)                  | (dB)        |
| 60                | QPSK       | 1       | 1         | 16.43                       | 16.55                          | 16.53                        | 17.8                   | 0.0         |
| Channel           |            |         |           | 631668                      | 633334                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3475.02                     | 3500.01                        | 3525                         | (dBm)                  | (dB)        |
| 50                | QPSK       | 1       | 1         | 16.46                       | 16.55                          | 16.56                        | 17.8                   | 0.0         |
| Channel           |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      | (dBm)                  | (dB)        |
| 40                | QPSK       | 1       | 1         | 16.50                       | 16.43                          | 16.51                        | 17.8                   | 0.0         |
| Channel           |            |         |           | 631000                      | 633334                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3465                        | 3500.01                        | 3535.02                      | (dBm)                  | (dB)        |
| 30                | QPSK       | 1       | 1         | 16.46                       | 16.52                          | 16.43                        | 17.8                   | 0.0         |
| Channel           |            |         |           | 630668                      | 633334                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3460.02                     | 3500.01                        | 3540                         | (dBm)                  | (dB)        |
| 20                | QPSK       | 1       | 1         | 16.46                       | 16.46                          | 16.51                        | 17.8                   | 0.0         |
| Channel           |            |         |           | 630500                      | 633334                         | 636168                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3467.5                      | 3500.01                        | 3542.52                      | (dBm)                  | (dB)        |
| 15                | QPSK       | 1       | 1         | 16.51                       | 16.49                          | 16.49                        | 17.8                   | 0.0         |
| Channel           |            |         |           | 630334                      | 633334                         | 636334                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3455.01                     | 3500.01                        | 3545.01                      | (dBm)                  | (dB)        |
| 10                | QPSK       | 1       | 1         | 16.44                       | 16.49                          | 16.45                        | 17.8                   | 0.0         |

| Part27Q n78 Ant 5 |            |         |           |                             |                                |                              |                        |             |
|-------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3495                        | 3500.01                        | 3505.02                      |                        |             |
| 100               | PI/2 BPSK  | 1       | 1         | 23.50                       | 23.62                          | 23.53                        | 24.0                   | 0.0         |
| 100               | PI/2 BPSK  | 1       | 137       | 632668                      | 633334                         | 634000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 100               | PI/2 BPSK  | 1       | 271       | 3490.02                     | 3500.01                        | 3510                         |                        |             |
| 100               | PI/2 BPSK  | 135     | 0         | 23.56                       | 23.49                          | 23.65                        | 24.0                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 69        | 632334                      | 633334                         | 634334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 100               | PI/2 BPSK  | 135     | 138       | 3485.01                     | 3500.01                        | 3515.01                      |                        |             |
| 100               | PI/2 BPSK  | 270     | 0         | 23.53                       | 23.54                          | 23.51                        | 24.0                   | 0.0         |
| 100               | QPSK       | 1       | 1         | 632000                      | 633334                         | 634668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 100               | QPSK       | 1       | 137       | 3480                        | 3500.01                        | 3520.02                      |                        |             |
| 100               | QPSK       | 1       | 271       | 23.50                       | 23.67                          | 23.64                        | 24.0                   | 0.0         |
| 100               | QPSK       | 135     | 0         | 631668                      | 633334                         | 635000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 100               | QPSK       | 135     | 69        | 3475.02                     | 3500.01                        | 3525                         |                        |             |
| 100               | QPSK       | 135     | 138       | 23.55                       | 23.50                          | 23.54                        | 24.0                   | 0.0         |
| 100               | QPSK       | 270     | 0         | 631334                      | 633334                         | 635334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 100               | 16QAM      | 1       | 1         | 3470.01                     | 3500.01                        | 3530.01                      |                        |             |
| 100               | 64QAM      | 1       | 1         | 23.49                       | 23.58                          | 23.53                        | 24.0                   | 0.0         |
| 100               | 256QAM     | 1       | 1         | 631000                      | 633334                         | 635668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 3465                        | 3500.01                        | 3535.02                      |                        |             |
| Frequency (MHz)   |            |         |           | 23.59                       | 23.57                          | 23.61                        | 24.0                   | 0.0         |
| 80                | QPSK       | 1       | 1         | 630668                      | 633334                         | 636000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 3460.02                     | 3500.01                        | 3540                         |                        |             |
| Frequency (MHz)   |            |         |           | 23.49                       | 23.62                          | 23.58                        | 24.0                   | 0.0         |
| 70                | QPSK       | 1       | 1         | 630500                      | 633334                         | 636168                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 3467.5                      | 3500.01                        | 3542.52                      |                        |             |
| Frequency (MHz)   |            |         |           | 23.53                       | 23.64                          | 23.63                        | 24.0                   | 0.0         |
| 60                | QPSK       | 1       | 1         | 630334                      | 633334                         | 636334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 3455.01                     | 3500.01                        | 3545.01                      |                        |             |
| Frequency (MHz)   |            |         |           | 23.56                       | 23.64                          | 23.61                        | 24.0                   | 0.0         |
| 50                | QPSK       | 1       | 1         |                             |                                |                              |                        |             |
| 40                | QPSK       | 1       | 1         |                             |                                |                              |                        |             |
| 30                | QPSK       | 1       | 1         |                             |                                |                              |                        |             |
| 20                | QPSK       | 1       | 1         |                             |                                |                              |                        |             |
| 15                | QPSK       | 1       | 1         |                             |                                |                              |                        |             |
| 10                | QPSK       | 1       | 1         |                             |                                |                              |                        |             |

| Part27Q n78 Ant 7 |            |         |           |                       |                          |                        |                     |          |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel           |            |         |           | 633334                |                          |                        | 23.0                | 0.0      |
| Frequency (MHz)   |            |         |           | 3500.01               |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 1         |                       | 22.23                    |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 137       |                       | 22.16                    |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 271       |                       | 22.04                    |                        |                     |          |
| 100               | PI/2 BPSK  | 135     | 0         |                       | 21.71                    |                        | 22.5                | 0.5      |
| 100               | PI/2 BPSK  | 135     | 69        |                       | 22.11                    |                        | 23.0                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 138       |                       | 21.55                    |                        | 22.5                | 0.5      |
| 100               | PI/2 BPSK  | 270     | 0         |                       | 21.61                    |                        |                     |          |
| 100               | QPSK       | 1       | 1         |                       | 22.28                    |                        | 23.0                | 0.0      |
| 100               | QPSK       | 1       | 137       |                       | 22.19                    |                        |                     |          |
| 100               | QPSK       | 1       | 271       |                       | 22.09                    |                        |                     |          |
| 100               | QPSK       | 135     | 0         |                       | 21.22                    |                        | 22.0                | 1.0      |
| 100               | QPSK       | 135     | 69        |                       | 22.17                    |                        | 23.0                | 0.0      |
| 100               | QPSK       | 135     | 138       |                       | 20.98                    |                        | 22.0                | 1.0      |
| 100               | QPSK       | 270     | 0         |                       | 21.04                    |                        |                     |          |
| 100               | 16QAM      | 1       | 1         |                       | 21.05                    |                        | 22.0                | 1.0      |
| 100               | 64QAM      | 1       | 1         |                       | 19.44                    |                        | 20.5                | 2.5      |
| 100               | 256QAM     | 1       | 1         |                       | 17.84                    |                        | 18.5                | 4.5      |
| Channel           |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3495                  | 3500.01                  | 3505.02                | (dBm)               | (dB)     |
| 90                | QPSK       | 1       | 1         | 22.13                 | 22.17                    | 22.12                  | 23.0                | 0.0      |
| Channel           |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3490.02               | 3500.01                  | 3510                   | (dBm)               | (dB)     |
| 80                | QPSK       | 1       | 1         | 22.17                 | 22.23                    | 22.11                  | 23.0                | 0.0      |
| Channel           |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3485.01               | 3500.01                  | 3515.01                | (dBm)               | (dB)     |
| 70                | QPSK       | 1       | 1         | 22.18                 | 22.16                    | 22.12                  | 23.0                | 0.0      |
| Channel           |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3480                  | 3500.01                  | 3520.02                | (dBm)               | (dB)     |
| 60                | QPSK       | 1       | 1         | 22.25                 | 22.13                    | 22.14                  | 23.0                | 0.0      |
| Channel           |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3475.02               | 3500.01                  | 3525                   | (dBm)               | (dB)     |
| 50                | QPSK       | 1       | 1         | 22.13                 | 22.11                    | 22.24                  | 23.0                | 0.0      |
| Channel           |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3470.01               | 3500.01                  | 3530.01                | (dBm)               | (dB)     |
| 40                | QPSK       | 1       | 1         | 22.19                 | 22.14                    | 22.23                  | 23.0                | 0.0      |
| Channel           |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3465                  | 3500.01                  | 3535.02                | (dBm)               | (dB)     |
| 30                | QPSK       | 1       | 1         | 22.22                 | 22.13                    | 22.25                  | 23.0                | 0.0      |
| Channel           |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3460.02               | 3500.01                  | 3540                   | (dBm)               | (dB)     |
| 20                | QPSK       | 1       | 1         | 22.23                 | 22.18                    | 22.18                  | 23.0                | 0.0      |
| Channel           |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3457.5                | 3500.01                  | 3542.52                | (dBm)               | (dB)     |
| 15                | QPSK       | 1       | 1         | 22.15                 | 22.15                    | 22.12                  | 23.0                | 0.0      |
| Channel           |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3455.01               | 3500.01                  | 3545.01                | (dBm)               | (dB)     |
| 10                | QPSK       | 1       | 1         | 22.21                 | 22.23                    | 22.21                  | 23.0                | 0.0      |

| Part27Q n78 Ant 9 |            |         |           |                       |                          |                        |                     |          |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel           |            |         |           | 633334                |                          |                        | 22.0                | 0.0      |
| Frequency (MHz)   |            |         |           | 3500.01               |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 1         | 20.52                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 137       | 20.65                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 271       | 20.71                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 135     | 0         | 20.22                 |                          |                        | 21.5                | 0.5      |
| 100               | PI/2 BPSK  | 135     | 69        | 20.63                 |                          |                        | 22.0                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 138       | 20.18                 |                          |                        | 21.5                | 0.5      |
| 100               | PI/2 BPSK  | 270     | 0         | 20.11                 |                          |                        |                     |          |
| 100               | QPSK       | 1       | 1         | 20.79                 |                          |                        | 22.0                | 0.0      |
| 100               | QPSK       | 1       | 137       | 20.66                 |                          |                        |                     |          |
| 100               | QPSK       | 1       | 271       | 20.68                 |                          |                        |                     |          |
| 100               | QPSK       | 135     | 0         | 19.72                 |                          |                        | 21.0                | 1.0      |
| 100               | QPSK       | 135     | 69        | 20.75                 |                          |                        | 22.0                | 0.0      |
| 100               | QPSK       | 135     | 138       | 19.66                 |                          |                        | 21.0                | 1.0      |
| 100               | QPSK       | 270     | 0         | 19.72                 |                          |                        |                     |          |
| 100               | 16QAM      | 1       | 1         | 19.71                 |                          |                        | 21.0                | 1.0      |
| 100               | 64QAM      | 1       | 1         | 18.18                 |                          |                        | 19.5                | 2.5      |
| 100               | 256QAM     | 1       | 1         | 16.16                 |                          |                        | 17.5                | 4.5      |
| Channel           |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3495                  | 3500.01                  | 3505.02                | (dBm)               | (dB)     |
| 90                | QPSK       | 1       | 1         | 20.66                 | 20.75                    | 20.57                  | 22.0                | 0.0      |
| Channel           |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3490.02               | 3500.01                  | 3510                   | (dBm)               | (dB)     |
| 80                | QPSK       | 1       | 1         | 20.61                 | 20.63                    | 20.64                  | 22.0                | 0.0      |
| Channel           |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3485.01               | 3500.01                  | 3515.01                | (dBm)               | (dB)     |
| 70                | QPSK       | 1       | 1         | 20.74                 | 20.72                    | 20.65                  | 22.0                | 0.0      |
| Channel           |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3480                  | 3500.01                  | 3520.02                | (dBm)               | (dB)     |
| 60                | QPSK       | 1       | 1         | 20.71                 | 20.62                    | 20.66                  | 22.0                | 0.0      |
| Channel           |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3475.02               | 3500.01                  | 3525                   | (dBm)               | (dB)     |
| 50                | QPSK       | 1       | 1         | 20.75                 | 20.59                    | 20.76                  | 22.0                | 0.0      |
| Channel           |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3470.01               | 3500.01                  | 3530.01                | (dBm)               | (dB)     |
| 40                | QPSK       | 1       | 1         | 20.64                 | 20.66                    | 20.66                  | 22.0                | 0.0      |
| Channel           |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3465                  | 3500.01                  | 3535.02                | (dBm)               | (dB)     |
| 30                | QPSK       | 1       | 1         | 20.59                 | 20.75                    | 20.66                  | 22.0                | 0.0      |
| Channel           |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3460.02               | 3500.01                  | 3540                   | (dBm)               | (dB)     |
| 20                | QPSK       | 1       | 1         | 20.69                 | 20.73                    | 20.78                  | 22.0                | 0.0      |
| Channel           |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3457.5                | 3500.01                  | 3542.52                | (dBm)               | (dB)     |
| 15                | QPSK       | 1       | 1         | 20.60                 | 20.65                    | 20.68                  | 22.0                | 0.0      |
| Channel           |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3455.01               | 3500.01                  | 3545.01                | (dBm)               | (dB)     |
| 10                | QPSK       | 1       | 1         | 20.72                 | 20.71                    | 20.61                  | 22.0                | 0.0      |

## Reduced Power Mode for DSI6

| n5 Ant 0        |            |         |           |                       |                          |                        |                     |          |     |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel         |            |         |           | 166800                | 167300                   | 167800                 | 24.0                | 0.0      |     |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |     |
| 20              | Pi/2 BPSK  | 1       | 1         | 23.11                 | 23.21                    | 23.17                  |                     |          |     |
| 20              | Pi/2 BPSK  | 1       | 53        | 23.01                 | 23.18                    | 23.10                  | 23.5                | 0.5      |     |
| 20              | Pi/2 BPSK  | 1       | 104       | 23.03                 | 23.04                    | 22.92                  |                     |          |     |
| 20              | Pi/2 BPSK  | 50      | 0         | 22.53                 | 22.65                    | 22.65                  |                     | 24.0     | 0.0 |
| 20              | Pi/2 BPSK  | 50      | 28        | 22.97                 | 23.14                    | 23.15                  | 0.5                 |          |     |
| 20              | Pi/2 BPSK  | 50      | 56        | 22.39                 | 22.58                    | 22.38                  |                     |          |     |
| 20              | Pi/2 BPSK  | 100     | 0         | 22.54                 | 22.63                    | 22.52                  | 24.0                | 0.0      |     |
| 20              | QPSK       | 1       | 1         | 23.23                 | 23.25                    | 23.24                  |                     |          |     |
| 20              | QPSK       | 1       | 53        | 23.14                 | 23.15                    | 23.00                  |                     |          |     |
| 20              | QPSK       | 1       | 104       | 22.92                 | 23.07                    | 23.08                  | 23.0                | 1.0      |     |
| 20              | QPSK       | 50      | 0         | 22.01                 | 22.19                    | 22.20                  |                     | 0.0      |     |
| 20              | QPSK       | 50      | 28        | 23.11                 | 23.13                    | 22.97                  |                     | 1.0      |     |
| 20              | QPSK       | 50      | 56        | 22.00                 | 22.12                    | 22.13                  | 23.0                | 1.0      |     |
| 20              | QPSK       | 100     | 0         | 22.15                 | 22.17                    | 22.10                  |                     | 2.5      |     |
| 20              | 16QAM      | 1       | 1         | 22.17                 | 22.36                    | 22.16                  |                     | 4.5      |     |
| 20              | 64QAM      | 1       | 1         | 20.82                 | 20.86                    | 20.86                  | 24.0                | 0.0      |     |
| 20              | 256QAM     | 1       | 1         | 18.85                 | 18.87                    | 18.80                  |                     |          |     |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 |                     |          |     |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  | Tune-up limit (dBm) | MPR (dB) |     |
| 15              | QPSK       | 1       | 1         | 23.21                 | 23.07                    | 23.16                  | 24.0                | 0.0      |     |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 | 24.0                | 0.0      |     |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |          |     |
| 10              | QPSK       | 1       | 1         | 23.03                 | 23.16                    | 23.18                  |                     |          |     |
| Channel         |            |         |           | 165300                | 167300                   | 169300                 | 24.0                | 0.0      |     |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |     |
| 5               | QPSK       | 1       | 1         | 23.05                 | 23.06                    | 23.16                  |                     |          |     |

| n26 Ant 0       |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 164800                | 166300                   | 167800                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 23.57                 | 23.48                    | 23.54                  | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 53        | 23.43                 | 23.45                    | 23.63                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 23.57                 | 23.64                    | 23.41                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 23.07                 | 23.20                    | 23.11                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 28        | 23.56                 | 23.51                    | 23.43                  | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 23.04                 | 23.15                    | 23.06                  |                     |          |  |
| 20              | PI/2 BPSK  | 100     | 0         | 23.02                 | 23.22                    | 23.19                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 23.58                 | 23.65                    | 23.62                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 23.37                 | 23.65                    | 23.49                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 23.54                 | 23.54                    | 23.44                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.67                 | 22.67                    | 22.56                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 23.50                 | 23.52                    | 23.45                  |                     |          |  |
| 20              | QPSK       | 50      | 56        | 22.53                 | 22.70                    | 22.71                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 22.51                 | 22.58                    | 22.57                  | 23.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 22.47                 | 22.60                    | 22.61                  |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 21.03                 | 21.12                    | 21.03                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 19.02                 | 19.16                    | 19.07                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 164300                | 166300                   | 168300                 | 24.0                | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 23.51                 | 23.60                    | 23.42                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 163800                | 166300                   | 168800                 | 24.0                | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 819                   | 831.5                    | 844                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 23.54                 | 23.47                    | 23.44                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 163300                | 166300                   | 169300                 | 24.0                | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 23.48                 | 23.50                    | 23.53                  | 24.0                | 0.0      |  |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 372000                | 376000                   | 380000                 | 23.4                | 0.0      |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 22.23                 | 22.43                    | 22.17                  |                     |          |
| 20              | PI2 BPSK   | 1       | 53        | 22.28                 | 22.19                    | 22.26                  |                     |          |
| 20              | PI2 BPSK   | 1       | 104       | 22.32                 | 22.38                    | 22.22                  | 23.4                | 0.0      |
| 20              | PI2 BPSK   | 50      | 0         | 22.28                 | 22.27                    | 22.33                  | 23.4                | 0.0      |
| 20              | PI2 BPSK   | 50      | 28        | 22.25                 | 22.24                    | 22.19                  | 23.4                | 0.0      |
| 20              | PI2 BPSK   | 50      | 58        | 22.24                 | 22.17                    | 22.37                  | 23.4                | 0.0      |
| 20              | PI2 BPSK   | 100     | 0         | 22.41                 | 22.36                    | 22.21                  | 23.4                | 0.0      |
| 20              | QPSK       | 1       | 1         | 22.41                 | 22.46                    | 22.35                  |                     |          |
| 20              | QPSK       | 1       | 53        | 22.31                 | 22.37                    | 22.30                  |                     |          |
| 20              | QPSK       | 1       | 104       | 22.40                 | 22.38                    | 22.39                  |                     |          |
| 20              | QPSK       | 50      | 0         | 22.28                 | 22.32                    | 22.29                  | 23.0                | 0.4      |
| 20              | QPSK       | 50      | 28        | 22.23                 | 22.39                    | 22.13                  | 23.4                | 0.0      |
| 20              | QPSK       | 50      | 58        | 22.28                 | 22.31                    | 22.38                  | 23.0                | 0.4      |
| 20              | QPSK       | 100     | 0         | 22.34                 | 22.41                    | 22.32                  | 23.0                | 0.4      |
| 20              | 16QAM      | 1       | 1         | 22.24                 | 22.18                    | 22.27                  |                     |          |
| 20              | 64QAM      | 1       | 1         | 21.12                 | 21.11                    | 21.00                  |                     |          |
| 20              | 256QAM     | 1       | 1         | 18.88                 | 19.06                    | 18.93                  |                     |          |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1867.5                | 1880                     | 1902.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 22.26                 | 22.22                    | 22.28                  | 23.4                | 0.0      |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1865                  | 1880                     | 1905                   |                     |          |
| 10              | QPSK       | 1       | 1         | 22.32                 | 22.32                    | 22.23                  | 23.4                | 0.0      |
| Channel         |            |         |           | 370500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1862.5                | 1880                     | 1907.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 22.28                 | 22.23                    | 22.14                  | 23.4                | 0.0      |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 504000                | 507000                   | 510000                 | 22.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |
| 40              | PI2 BPSK   | 1       | 1         | 21.42                 | 21.45                    | 21.38                  |                     |          |
| 40              | PI2 BPSK   | 1       | 108       | 21.34                 | 21.37                    | 21.42                  |                     |          |
| 40              | PI2 BPSK   | 1       | 214       | 21.34                 | 21.43                    | 21.47                  | 22.5                | 0.0      |
| 40              | PI2 BPSK   | 108     | 0         | 21.38                 | 21.45                    | 21.45                  | 22.5                | 0.0      |
| 40              | PI2 BPSK   | 108     | 54        | 21.35                 | 21.48                    | 21.41                  | 22.5                | 0.0      |
| 40              | PI2 BPSK   | 108     | 108       | 21.44                 | 21.41                    | 21.42                  | 22.5                | 0.0      |
| 40              | PI2 BPSK   | 216     | 0         | 21.39                 | 21.37                    | 21.42                  | 22.5                | 0.0      |
| 40              | QPSK       | 1       | 1         | 21.46                 | 21.48                    | 21.48                  |                     |          |
| 40              | QPSK       | 1       | 108       | 21.37                 | 21.43                    | 21.43                  |                     |          |
| 40              | QPSK       | 1       | 214       | 21.38                 | 21.40                    | 21.43                  |                     |          |
| 40              | QPSK       | 108     | 0         | 21.40                 | 21.46                    | 21.42                  | 22.5                | 0.0      |
| 40              | QPSK       | 108     | 54        | 21.38                 | 21.48                    | 21.39                  | 22.5                | 0.0      |
| 40              | QPSK       | 108     | 108       | 21.43                 | 21.40                    | 21.45                  | 22.5                | 0.0      |
| 40              | QPSK       | 216     | 0         | 21.38                 | 21.47                    | 21.45                  | 22.5                | 0.0      |
| 40              | 16QAM      | 1       | 1         | 21.35                 | 21.38                    | 21.35                  |                     |          |
| 40              | 64QAM      | 1       | 1         | 21.09                 | 20.98                    | 21.00                  |                     |          |
| 40              | 256QAM     | 1       | 1         | 18.84                 | 18.96                    | 18.77                  |                     |          |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |
| 30              | QPSK       | 1       | 1         | 21.40                 | 21.42                    | 21.30                  | 22.5                | 0.0      |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 21.37                 | 21.33                    | 21.29                  | 22.5                | 0.0      |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 21.33                 | 21.33                    | 21.39                  | 22.5                | 0.0      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 21.32                 | 21.32                    | 21.37                  | #REF!               | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 21.31                 | 21.38                    | 21.40                  | 22.5                | 0.0      |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 21.41                 | 21.44                    | 21.30                  | 22.5                | 0.0      |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 346000                | 348000                   | 350000                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |
| 40              | PI2 BPSK   | 1       | 1         | 23.13                 | 23.02                    | 22.98                  |                     |          |
| 40              | PI2 BPSK   | 1       | 108       | 23.10                 | 22.86                    | 23.03                  |                     |          |
| 40              | PI2 BPSK   | 1       | 214       | 22.76                 | 23.04                    | 22.79                  | 23.5                | 0.5      |
| 40              | PI2 BPSK   | 108     | 0         | 22.37                 | 22.50                    | 22.34                  | 23.5                | 0.5      |
| 40              | PI2 BPSK   | 108     | 54        | 22.86                 | 23.01                    | 23.03                  | 24.0                | 0.0      |
| 40              | PI2 BPSK   | 108     | 108       | 22.15                 | 22.83                    | 22.37                  | 23.5                | 0.5      |
| 40              | PI2 BPSK   | 216     | 0         | 22.51                 | 22.53                    | 22.38                  | 24.0                | 0.0      |
| 40              | QPSK       | 1       | 1         | 23.21                 | 23.25                    | 23.11                  |                     |          |
| 40              | QPSK       | 1       | 108       | 23.03                 | 23.07                    | 23.17                  |                     |          |
| 40              | QPSK       | 1       | 214       | 22.88                 | 23.05                    | 22.78                  |                     |          |
| 40              | QPSK       | 108     | 0         | 21.73                 | 22.00                    | 21.95                  | 23.0                | 1.0      |
| 40              | QPSK       | 108     | 54        | 22.73                 | 22.87                    | 22.85                  | 24.0                | 0.0      |
| 40              | QPSK       | 108     | 108       | 21.94                 | 21.95                    | 22.14                  | 23.0                | 1.0      |
| 40              | QPSK       | 216     | 0         | 21.89                 | 22.15                    | 22.01                  | 23.0                | 1.0      |
| 40              | 16QAM      | 1       | 1         | 22.14                 | 22.20                    | 22.04                  |                     |          |
| 40              | 64QAM      | 1       | 1         | 20.89                 | 20.88                    | 20.79                  |                     |          |
| 40              | 256QAM     | 1       | 1         | 18.47                 | 18.57                    | 18.37                  |                     |          |
| Channel         |            |         |           | 345000                | 348000                   | 352500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1727.5                | 1745                     | 1762.5                 |                     |          |
| 35              | QPSK       | 1       | 1         | 23.01                 | 23.18                    | 22.90                  | #VALUE!             | 0.0      |
| Channel         |            |         |           | 345000                | 349000                   | 353000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   |                     |          |
| 30              | QPSK       | 1       | 1         | 23.12                 | 23.09                    | 22.94                  | 24.0                | 0.0      |
| Channel         |            |         |           | 344500                | 349000                   | 353500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1722.5                | 1745                     | 1767.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 23.10                 | 23.08                    | 23.09                  | 24.0                | 0.0      |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |
| 20              | QPSK       | 1       | 1         | 23.20                 | 23.06                    | 22.99                  | 24.0                | 0.0      |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 23.22                 | 23.15                    | 23.03                  | 24.0                | 0.0      |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |
| 10              | QPSK       | 1       | 1         | 23.01                 | 23.06                    | 23.02                  | 24.0                | 0.0      |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 22.99                 | 23.18                    | 22.89                  | 24.0                | 0.0      |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 370000                | 376000                   | 380000                 |                     |          |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 21.30                 | 21.30                    | 21.32                  |                     |          |
| 20              | PI2 BPSK   | 1       | 53        | 21.21                 | 21.34                    | 21.19                  | 22.3                | 0.0      |
| 20              | PI2 BPSK   | 1       | 104       | 21.21                 | 21.22                    | 21.32                  | 22.3                | 0.0      |
| 20              | PI2 BPSK   | 50      | 0         | 21.20                 | 21.33                    | 21.21                  | 22.3                | 0.0      |
| 20              | PI2 BPSK   | 50      | 28        | 21.23                 | 21.31                    | 21.22                  | 22.3                | 0.0      |
| 20              | PI2 BPSK   | 50      | 58        | 21.25                 | 21.28                    | 21.32                  | 22.3                | 0.0      |
| 20              | PI2 BPSK   | 100     | 0         | 21.32                 | 21.32                    | 21.29                  |                     |          |
| 20              | QPSK       | 1       | 1         | 21.29                 | 21.35                    | 21.32                  | 22.3                | 0.0      |
| 20              | QPSK       | 1       | 53        | 21.31                 | 21.25                    | 21.27                  |                     |          |
| 20              | QPSK       | 1       | 104       | 21.22                 | 21.34                    | 21.22                  |                     |          |
| 20              | QPSK       | 50      | 0         | 21.22                 | 21.26                    | 21.19                  | 22.3                | 0.0      |
| 20              | QPSK       | 50      | 28        | 21.30                 | 21.34                    | 21.32                  | 22.3                | 0.0      |
| 20              | QPSK       | 50      | 58        | 21.25                 | 21.30                    | 21.30                  | 22.3                | 0.0      |
| 20              | QPSK       | 100     | 0         | 21.25                 | 21.31                    | 21.28                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.29                 | 21.32                    | 21.25                  | 22.3                | 0.0      |
| 20              | 64QAM      | 1       | 1         | 20.29                 | 20.39                    | 20.38                  | 21.5                | 0.8      |
| 20              | 256QAM     | 1       | 1         | 18.15                 | 18.38                    | 18.32                  | 19.5                | 2.8      |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1867.5                | 1880                     | 1902.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 21.20                 | 21.18                    | 21.19                  | 22.3                | 0.0      |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1865                  | 1880                     | 1905                   |                     |          |
| 10              | QPSK       | 1       | 1         | 21.17                 | 21.17                    | 21.21                  | 22.3                | 0.0      |
| Channel         |            |         |           | 370500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1862.5                | 1880                     | 1907.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 21.14                 | 21.21                    | 21.25                  | 22.3                | 0.0      |

n5 Ant 4

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 166800                | 167300                   | 167800                 |                     |          |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 22.97                 | 23.15                    | 22.84                  |                     |          |
| 20              | PI2 BPSK   | 1       | 53        | 22.97                 | 23.09                    | 23.03                  | 24.0                | 0.0      |
| 20              | PI2 BPSK   | 1       | 104       | 23.02                 | 23.04                    | 23.07                  | 23.5                | 0.5      |
| 20              | PI2 BPSK   | 50      | 0         | 22.46                 | 22.37                    | 22.34                  | 23.5                | 0.5      |
| 20              | PI2 BPSK   | 50      | 28        | 22.87                 | 23.13                    | 22.87                  | 24.0                | 0.0      |
| 20              | PI2 BPSK   | 50      | 58        | 22.46                 | 22.39                    | 22.44                  | 23.5                | 0.5      |
| 20              | PI2 BPSK   | 100     | 0         | 22.63                 | 22.54                    | 22.23                  |                     |          |
| 20              | QPSK       | 1       | 1         | 23.08                 | 23.16                    | 23.13                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 53        | 22.98                 | 23.08                    | 23.12                  |                     |          |
| 20              | QPSK       | 1       | 104       | 22.88                 | 23.11                    | 22.95                  |                     |          |
| 20              | QPSK       | 50      | 0         | 22.08                 | 22.03                    | 22.07                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 28        | 23.04                 | 23.07                    | 23.04                  | 24.0                | 0.0      |
| 20              | QPSK       | 50      | 58        | 21.93                 | 22.01                    | 21.80                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.90                 | 22.00                    | 21.89                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.93                 | 22.19                    | 22.16                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 20.48                 | 20.74                    | 20.69                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.39                 | 18.66                    | 18.53                  | 19.5                | 4.5      |
| Channel         |            |         |           | 166300                | 167300                   | 167300                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |
| 15              | QPSK       | 1       | 1         | 23.11                 | 22.99                    | 23.04                  | 24.0                | 0.0      |
| Channel         |            |         |           | 166800                | 167300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 830                   | 836.5                    | 844                    |                     |          |
| 10              | QPSK       | 1       | 1         | 23.11                 | 23.12                    | 22.93                  | 24.0                | 0.0      |
| Channel         |            |         |           | 166300                | 167300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |
| 5               | QPSK       | 1       | 1         | 22.98                 | 22.97                    | 23.06                  | 24.0                | 0.0      |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 504000                | 507000                   | 510000                 |                     |          |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |
| 40              | PI2 BPSK   | 1       | 1         | 18.68                 | 18.69                    | 18.61                  |                     |          |
| 40              | PI2 BPSK   | 1       | 135       | 18.68                 | 18.69                    | 18.55                  | 19.8                | 0.0      |
| 40              | PI2 BPSK   | 1       | 268       | 18.81                 | 18.68                    | 18.62                  |                     |          |
| 40              | PI2 BPSK   | 135     | 0         | 18.58                 | 18.69                    | 18.87                  | 19.8                | 0.0      |
| 40              | PI2 BPSK   | 135     | 68        | 18.58                 | 18.62                    | 18.61                  | 19.8                | 0.0      |
| 40              | PI2 BPSK   | 135     | 135       | 18.60                 | 18.59                    | 18.56                  | 19.8                | 0.0      |
| 40              | PI2 BPSK   | 270     | 0         | 18.68                 | 18.68                    | 18.65                  |                     |          |
| 40              | QPSK       | 1       | 1         | 18.85                 | 18.73                    | 18.68                  |                     |          |
| 40              | QPSK       | 1       | 135       | 18.81                 | 18.70                    | 18.81                  | 19.8                | 0.0      |
| 40              | QPSK       | 1       | 268       | 18.86                 | 18.68                    | 18.64                  |                     |          |
| 40              | QPSK       | 135     | 0         | 18.58                 | 18.65                    | 18.58                  | 19.8                | 0.0      |
| 40              | QPSK       | 135     | 68        | 18.65                 | 18.71                    | 18.67                  | 19.8                | 0.0      |
| 40              | QPSK       | 135     | 135       | 18.64                 | 18.61                    | 18.69                  | 19.8                | 0.0      |
| 40              | QPSK       | 270     | 0         | 18.87                 | 18.68                    | 18.68                  |                     |          |
| 40              | 16QAM      | 1       | 1         | 18.58                 | 18.60                    | 18.69                  | 19.8                | 0.0      |
| 40              | 64QAM      | 1       | 1         | 18.05                 | 18.70                    | 18.62                  | 19.8                | 0.0      |
| 40              | 256QAM     | 1       | 1         | 18.58                 | 18.70                    | 18.61                  | 19.5                | 0.3      |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |
| 30              | QPSK       | 1       | 1         | 18.80                 | 18.54                    | 18.55                  | 19.8                | 0.0      |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 18.51                 | 18.54                    | 18.51                  | 19.8                | 0.0      |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 18.61                 | 18.65                    | 18.51                  | 19.8                | 0.0      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 18.52                 | 18.63                    | 18.56                  | 19.8                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 18.82                 | 18.60                    | 18.80                  | 19.8                | 0.0      |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 18.63                 | 18.59                    | 18.62                  | 19.8                | 0.0      |

| n26 Ant 4       |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 168300                | 168300                   | 167600                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    |                     |          |
| 20              | PI/2 BPSK  | 1       | 1         | 23.14                 | 23.28                    | 22.94                  |                     |          |
| 20              | PI/2 BPSK  | 1       | 53        | 23.11                 | 23.18                    | 23.12                  |                     |          |
| 20              | PI/2 BPSK  | 1       | 104       | 23.17                 | 23.10                    | 23.20                  | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 50      | 0         | 22.82                 | 22.40                    | 22.51                  | 23.5                | 0.0      |
| 20              | PI/2 BPSK  | 50      | 28        | 23.00                 | 23.32                    | 23.05                  | 24.0                | 0.0      |
| 20              | PI/2 BPSK  | 50      | 58        | 22.50                 | 22.43                    | 22.61                  | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 100     | 0         | 22.73                 | 22.66                    | 22.39                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 1         | 23.21                 | 23.39                    | 23.25                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 53        | 23.12                 | 23.15                    | 23.20                  |                     |          |
| 20              | QPSK       | 1       | 104       | 22.93                 | 23.30                    | 23.08                  |                     |          |
| 20              | QPSK       | 50      | 0         | 22.29                 | 22.07                    | 22.10                  |                     |          |
| 20              | QPSK       | 50      | 28        | 23.15                 | 23.19                    | 23.13                  | 24.0                | 0.0      |
| 20              | QPSK       | 50      | 58        | 22.06                 | 22.16                    | 21.84                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.93                 | 22.02                    | 22.00                  | 23.0                | 1.0      |
| 20              | 16QAM      | 1       | 1         | 22.00                 | 22.36                    | 22.31                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 20.87                 | 20.87                    | 20.74                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.52                 | 18.87                    | 18.68                  | 19.5                | 4.5      |
| Channel         |            |         |           | 168300                | 168300                   | 167600                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  | 24.0                | 0.0      |
| 15              | QPSK       | 1       | 1         | 23.20                 | 23.26                    | 23.17                  | 24.0                | 0.0      |
| Channel         |            |         |           | 163800                | 166300                   | 166800                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 117                   | 831.5                    | 841                    | 24.0                | 0.0      |
| 10              | QPSK       | 1       | 1         | 23.04                 | 23.37                    | 23.20                  | 24.0                | 0.0      |
| Channel         |            |         |           | 163300                | 166300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  | 24.0                | 0.0      |
| 5               | QPSK       | 1       | 1         | 23.16                 | 23.25                    | 23.15                  | 24.0                | 0.0      |

| n66 Ant 4       |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 345000                | 345000                   | 345000                 | 22.0                | 0.0      |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |
| 40              | PI/2 BPSK  | 1       | 1         | 20.80                 | 20.91                    | 20.86                  |                     |          |
| 40              | PI/2 BPSK  | 1       | 108       | 20.92                 | 20.91                    | 20.82                  |                     |          |
| 40              | PI/2 BPSK  | 1       | 214       | 20.82                 | 20.92                    | 20.88                  | 22.0                | 0.0      |
| 40              | PI/2 BPSK  | 108     | 0         | 20.82                 | 20.84                    | 20.80                  | 22.0                | 0.0      |
| 40              | PI/2 BPSK  | 108     | 54        | 20.92                 | 20.89                    | 20.85                  | 22.0                | 0.0      |
| 40              | PI/2 BPSK  | 108     | 108       | 20.89                 | 20.92                    | 20.91                  | 22.0                | 0.0      |
| 40              | PI/2 BPSK  | 216     | 0         | 20.90                 | 20.89                    | 20.88                  | 22.0                | 0.0      |
| 40              | QPSK       | 1       | 1         | 20.92                 | 20.96                    | 20.91                  | 22.0                | 0.0      |
| 40              | QPSK       | 1       | 108       | 20.81                 | 20.84                    | 20.83                  |                     |          |
| 40              | QPSK       | 1       | 214       | 20.91                 | 20.92                    | 20.87                  |                     |          |
| 40              | QPSK       | 108     | 0         | 20.85                 | 20.90                    | 20.88                  |                     |          |
| 40              | QPSK       | 108     | 54        | 20.89                 | 20.93                    | 20.83                  | 22.0                | 0.0      |
| 40              | QPSK       | 108     | 108       | 20.91                 | 20.83                    | 20.85                  | 22.0                | 0.0      |
| 40              | QPSK       | 216     | 0         | 20.86                 | 20.91                    | 20.82                  | 22.0                | 0.0      |
| 40              | 16QAM      | 1       | 1         | 20.89                 | 20.90                    | 20.88                  | 22.0                | 0.0      |
| 40              | 64QAM      | 1       | 1         | 19.61                 | 19.91                    | 19.85                  | 21.5                | 0.5      |
| 40              | 256QAM     | 1       | 1         | 17.52                 | 17.88                    | 17.78                  | 19.5                | 2.5      |
| Channel         |            |         |           | 345000                | 345000                   | 345000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1727.5                | 1745                     | 1762.5                 | 22.0                | 0.0      |
| 35              | QPSK       | 1       | 1         | 20.83                 | 20.81                    | 20.80                  | 22.0                | 0.0      |
| Channel         |            |         |           | 345000                | 349000                   | 353000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   | 22.0                | 0.0      |
| 30              | QPSK       | 1       | 1         | 20.81                 | 20.90                    | 20.84                  | 22.0                | 0.0      |
| Channel         |            |         |           | 344500                | 349000                   | 353500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1722.5                | 1745                     | 1767.5                 | 22.0                | 0.0      |
| 25              | QPSK       | 1       | 1         | 20.75                 | 20.88                    | 20.78                  | 22.0                | 0.0      |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   | 22.0                | 0.0      |
| 20              | QPSK       | 1       | 1         | 20.80                 | 20.86                    | 20.77                  | 22.0                | 0.0      |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 | 22.0                | 0.0      |
| 15              | QPSK       | 1       | 1         | 20.85                 | 20.77                    | 20.84                  | 22.0                | 0.0      |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   | 22.0                | 0.0      |
| 10              | QPSK       | 1       | 1         | 20.76                 | 20.87                    | 20.77                  | 22.0                | 0.0      |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 | 22.0                | 0.0      |
| 5               | QPSK       | 1       | 1         | 20.86                 | 20.89                    | 20.84                  | 22.0                | 0.0      |

| Part27Q n78 Ant 3 |            |         |           |                       |                          |                        |                     |          |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel           |            |         |           | 633334                |                          |                        | 17.8                | 0.0      |
| Frequency (MHz)   |            |         |           | 3500.01               |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 1         | 16.56                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 137       | 16.59                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 271       | 16.51                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 135     | 0         | 16.48                 |                          |                        | 17.8                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 69        | 16.56                 |                          |                        | 17.8                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 138       | 16.61                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 270     | 0         | 16.51                 |                          |                        | 17.8                | 0.0      |
| 100               | QPSK       | 1       | 1         | 16.62                 |                          |                        |                     |          |
| 100               | QPSK       | 1       | 137       | 16.47                 |                          |                        | 17.8                | 0.0      |
| 100               | QPSK       | 1       | 271       | 16.55                 |                          |                        |                     |          |
| 100               | QPSK       | 135     | 0         | 16.60                 |                          |                        | 17.8                | 0.0      |
| 100               | QPSK       | 135     | 69        | 16.61                 |                          |                        | 17.8                | 0.0      |
| 100               | QPSK       | 135     | 138       | 16.57                 |                          |                        | 17.8                | 0.0      |
| 100               | QPSK       | 270     | 0         | 16.57                 |                          |                        |                     |          |
| 100               | 16QAM      | 1       | 1         | 16.49                 |                          |                        | 17.8                | 0.0      |
| 100               | 64QAM      | 1       | 1         | 16.52                 |                          |                        | 17.8                | 0.0      |
| 100               | 256QAM     | 1       | 1         | 15.65                 |                          |                        | 17.5                | 0.3      |
| Channel           |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3495                  | 3500.01                  | 3505.02                | (dBm)               | (dB)     |
| 90                | QPSK       | 1       | 1         | 16.55                 | 16.48                    | 16.52                  | 17.8                | 0.0      |
| Channel           |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3490.02               | 3500.01                  | 3510                   | (dBm)               | (dB)     |
| 80                | QPSK       | 1       | 1         | 16.43                 | 16.50                    | 16.51                  | 17.8                | 0.0      |
| Channel           |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3485.01               | 3500.01                  | 3515.01                | (dBm)               | (dB)     |
| 70                | QPSK       | 1       | 1         | 16.56                 | 16.50                    | 16.49                  | 17.8                | 0.0      |
| Channel           |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3480                  | 3500.01                  | 3520.02                | (dBm)               | (dB)     |
| 60                | QPSK       | 1       | 1         | 16.43                 | 16.55                    | 16.53                  | 17.8                | 0.0      |
| Channel           |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3475.02               | 3500.01                  | 3525                   | (dBm)               | (dB)     |
| 50                | QPSK       | 1       | 1         | 16.46                 | 16.55                    | 16.56                  | 17.8                | 0.0      |
| Channel           |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3470.01               | 3500.01                  | 3530.01                | (dBm)               | (dB)     |
| 40                | QPSK       | 1       | 1         | 16.50                 | 16.43                    | 16.51                  | 17.8                | 0.0      |
| Channel           |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3465                  | 3500.01                  | 3535.02                | (dBm)               | (dB)     |
| 30                | QPSK       | 1       | 1         | 16.46                 | 16.52                    | 16.43                  | 17.8                | 0.0      |
| Channel           |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3460.02               | 3500.01                  | 3540                   | (dBm)               | (dB)     |
| 20                | QPSK       | 1       | 1         | 16.46                 | 16.46                    | 16.51                  | 17.8                | 0.0      |
| Channel           |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3457.5                | 3500.01                  | 3542.52                | (dBm)               | (dB)     |
| 15                | QPSK       | 1       | 1         | 16.51                 | 16.49                    | 16.48                  | 17.8                | 0.0      |
| Channel           |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3455.01               | 3500.01                  | 3545.01                | (dBm)               | (dB)     |
| 10                | QPSK       | 1       | 1         | 16.44                 | 16.49                    | 16.45                  | 17.8                | 0.0      |

| Part27Q n78 Ant 5 |            |         |           |                       |                          |                        |                     |          |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel           |            |         |           | 633334                |                          |                        | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3500.01               |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 1         | 18.63                 |                          |                        | 19.8                | 0.0      |
| 100               | PI/2 BPSK  | 1       | 137       | 18.56                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 271       | 18.54                 |                          |                        | 19.8                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 0         | 18.57                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 135     | 69        | 18.52                 |                          |                        | 19.8                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 138       | 18.55                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 270     | 0         | 18.58                 |                          |                        | 19.8                | 0.0      |
| 100               | QPSK       | 1       | 1         | 18.65                 |                          |                        |                     |          |
| 100               | QPSK       | 1       | 137       | 18.52                 |                          |                        | 19.8                | 0.0      |
| 100               | QPSK       | 1       | 271       | 18.58                 |                          |                        |                     |          |
| 100               | QPSK       | 135     | 0         | 18.54                 |                          |                        | 19.8                | 0.0      |
| 100               | QPSK       | 135     | 69        | 18.64                 |                          |                        |                     |          |
| 100               | QPSK       | 135     | 138       | 18.62                 |                          |                        | 19.8                | 0.0      |
| 100               | QPSK       | 270     | 0         | 18.61                 |                          |                        |                     |          |
| 100               | 16QAM      | 1       | 1         | 18.54                 |                          |                        | 19.8                | 0.0      |
| 100               | 64QAM      | 1       | 1         | 18.53                 |                          |                        | 19.8                | 0.0      |
| 100               | 256QAM     | 1       | 1         | 18.55                 |                          |                        | 19.5                | 0.3      |
| Channel           |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |
| 90                | QPSK       | 1       | 1         | 18.58                 | 18.59                    | 18.53                  | 19.8                | 0.0      |
| Channel           |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |
| 80                | QPSK       | 1       | 1         | 18.46                 | 18.46                    | 18.52                  | 19.8                | 0.0      |
| Channel           |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |
| 70                | QPSK       | 1       | 1         | 18.55                 | 18.51                    | 18.55                  | 19.8                | 0.0      |
| Channel           |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |
| 60                | QPSK       | 1       | 1         | 18.54                 | 18.51                    | 18.53                  | 19.8                | 0.0      |
| Channel           |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |
| 50                | QPSK       | 1       | 1         | 18.47                 | 18.50                    | 18.47                  | 19.8                | 0.0      |
| Channel           |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |
| 40                | QPSK       | 1       | 1         | 18.50                 | 18.55                    | 18.48                  | 19.8                | 0.0      |
| Channel           |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |
| 30                | QPSK       | 1       | 1         | 18.48                 | 18.47                    | 18.51                  | 19.8                | 0.0      |
| Channel           |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |
| 20                | QPSK       | 1       | 1         | 18.48                 | 18.60                    | 18.51                  | 19.8                | 0.0      |
| Channel           |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |
| 15                | QPSK       | 1       | 1         | 18.53                 | 18.59                    | 18.55                  | 19.8                | 0.0      |
| Channel           |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |
| 10                | QPSK       | 1       | 1         | 18.56                 | 18.46                    | 18.56                  | 19.8                | 0.0      |

| Part27Q n78 Ant 7 |            |         |           |                             |                                |                              |                        |             |
|-------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           |                             | 633334                         |                              |                        |             |
| Frequency (MHz)   |            |         |           |                             | 3500.01                        |                              |                        |             |
| 100               | PI/2 BPSK  | 1       | 1         |                             | 16.73                          |                              |                        |             |
| 100               | PI/2 BPSK  | 1       | 137       |                             | 16.75                          |                              | 17.8                   | 0.0         |
| 100               | PI/2 BPSK  | 1       | 271       |                             | 16.72                          |                              |                        |             |
| 100               | PI/2 BPSK  | 135     | 0         |                             | 16.76                          |                              | 17.8                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 69        |                             | 16.72                          |                              | 17.8                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 138       |                             | 16.67                          |                              | 17.8                   | 0.0         |
| 100               | PI/2 BPSK  | 270     | 0         |                             | 16.67                          |                              |                        |             |
| 100               | QPSK       | 1       | 1         |                             | 16.79                          |                              |                        |             |
| 100               | QPSK       | 1       | 137       |                             | 16.71                          |                              | 17.8                   | 0.0         |
| 100               | QPSK       | 1       | 271       |                             | 16.69                          |                              |                        |             |
| 100               | QPSK       | 135     | 0         |                             | 16.77                          |                              | 17.8                   | 0.0         |
| 100               | QPSK       | 135     | 69        |                             | 16.78                          |                              | 17.8                   | 0.0         |
| 100               | QPSK       | 135     | 138       |                             | 16.69                          |                              | 17.8                   | 0.0         |
| 100               | QPSK       | 270     | 0         |                             | 16.74                          |                              |                        |             |
| 100               | 16QAM      | 1       | 1         |                             | 16.75                          |                              | 17.8                   | 0.0         |
| 100               | 64QAM      | 1       | 1         |                             | 16.67                          |                              | 17.8                   | 0.0         |
| 100               | 256QAM     | 1       | 1         |                             | 16.67                          |                              | 17.8                   | 0.0         |
| Channel           |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3495                        | 3500.01                        | 3505.02                      | (dBm)                  | (dB)        |
| 90                | QPSK       | 1       | 1         | 16.71                       | 16.66                          | 16.66                        | 17.8                   | 0.0         |
| Channel           |            |         |           | 632668                      | 633334                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3490.02                     | 3500.01                        | 3510                         | (dBm)                  | (dB)        |
| 80                | QPSK       | 1       | 1         | 16.73                       | 16.68                          | 16.67                        | 17.8                   | 0.0         |
| Channel           |            |         |           | 632334                      | 633334                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3485.01                     | 3500.01                        | 3515.01                      | (dBm)                  | (dB)        |
| 70                | QPSK       | 1       | 1         | 16.68                       | 16.60                          | 16.63                        | 17.8                   | 0.0         |
| Channel           |            |         |           | 632000                      | 633334                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3480                        | 3500.01                        | 3520.02                      | (dBm)                  | (dB)        |
| 60                | QPSK       | 1       | 1         | 16.64                       | 16.72                          | 16.62                        | 17.8                   | 0.0         |
| Channel           |            |         |           | 631668                      | 633334                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3475.02                     | 3500.01                        | 3525                         | (dBm)                  | (dB)        |
| 50                | QPSK       | 1       | 1         | 16.61                       | 16.65                          | 16.73                        | 17.8                   | 0.0         |
| Channel           |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      | (dBm)                  | (dB)        |
| 40                | QPSK       | 1       | 1         | 16.72                       | 16.67                          | 16.71                        | 17.8                   | 0.0         |
| Channel           |            |         |           | 631000                      | 633334                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3465                        | 3500.01                        | 3535.02                      | (dBm)                  | (dB)        |
| 30                | QPSK       | 1       | 1         | 16.63                       | 16.67                          | 16.65                        | 17.8                   | 0.0         |
| Channel           |            |         |           | 630668                      | 633334                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3460.02                     | 3500.01                        | 3540                         | (dBm)                  | (dB)        |
| 20                | QPSK       | 1       | 1         | 16.65                       | 16.67                          | 16.65                        | 17.8                   | 0.0         |
| Channel           |            |         |           | 630500                      | 633334                         | 636168                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3467.5                      | 3500.01                        | 3542.52                      | (dBm)                  | (dB)        |
| 15                | QPSK       | 1       | 1         | 16.70                       | 16.66                          | 16.60                        | 17.8                   | 0.0         |
| Channel           |            |         |           | 630334                      | 633334                         | 636334                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3455.01                     | 3500.01                        | 3545.01                      | (dBm)                  | (dB)        |
| 10                | QPSK       | 1       | 1         | 16.71                       | 16.72                          | 16.61                        | 17.8                   | 0.0         |

| Part27Q n78 Ant 9 |            |         |           |                             |                                |                              |                        |             |
|-------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3495                        | 3500.01                        | 3505.02                      |                        |             |
| 100               | PI/2 BPSK  | 1       | 1         | 20.66                       | 20.75                          | 20.57                        | 22.0                   | 0.0         |
| 100               | PI/2 BPSK  | 1       | 137       |                             |                                |                              |                        |             |
| 100               | PI/2 BPSK  | 1       | 271       |                             |                                |                              |                        |             |
| 100               | PI/2 BPSK  | 135     | 0         |                             |                                |                              | 21.5                   | 0.5         |
| 100               | PI/2 BPSK  | 135     | 69        |                             |                                |                              | 22.0                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 138       |                             |                                |                              | 21.5                   | 0.5         |
| 100               | PI/2 BPSK  | 270     | 0         |                             |                                |                              |                        |             |
| 100               | QPSK       | 1       | 1         |                             | 20.79                          |                              |                        |             |
| 100               | QPSK       | 1       | 137       |                             | 20.66                          |                              | 22.0                   | 0.0         |
| 100               | QPSK       | 1       | 271       |                             | 20.68                          |                              |                        |             |
| 100               | QPSK       | 135     | 0         |                             | 19.72                          |                              | 21.0                   | 1.0         |
| 100               | QPSK       | 135     | 69        |                             | 20.75                          |                              | 22.0                   | 0.0         |
| 100               | QPSK       | 135     | 138       |                             | 19.66                          |                              |                        |             |
| 100               | QPSK       | 270     | 0         |                             | 19.72                          |                              | 21.0                   | 1.0         |
| 100               | 16QAM      | 1       | 1         |                             | 19.71                          |                              | 21.0                   | 1.0         |
| 100               | 64QAM      | 1       | 1         |                             | 18.18                          |                              | 19.5                   | 2.5         |
| 100               | 256QAM     | 1       | 1         |                             | 16.16                          |                              | 17.5                   | 4.5         |
| Channel           |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3495                        | 3500.01                        | 3505.02                      |                        |             |
| 90                | QPSK       | 1       | 1         | 20.66                       | 20.75                          | 20.57                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 632668                      | 633334                         | 634000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3490.02                     | 3500.01                        | 3510                         |                        |             |
| 80                | QPSK       | 1       | 1         | 20.61                       | 20.63                          | 20.64                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 632334                      | 633334                         | 634334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3485.01                     | 3500.01                        | 3515.01                      |                        |             |
| 70                | QPSK       | 1       | 1         | 20.74                       | 20.72                          | 20.65                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 632000                      | 633334                         | 634668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3480                        | 3500.01                        | 3520.02                      |                        |             |
| 60                | QPSK       | 1       | 1         | 20.71                       | 20.62                          | 20.66                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 631668                      | 633334                         | 635000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3475.02                     | 3500.01                        | 3525                         |                        |             |
| 50                | QPSK       | 1       | 1         | 20.75                       | 20.59                          | 20.76                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      |                        |             |
| 40                | QPSK       | 1       | 1         | 20.64                       | 20.66                          | 20.66                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 631000                      | 633334                         | 635668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3465                        | 3500.01                        | 3535.02                      |                        |             |
| 30                | QPSK       | 1       | 1         | 20.59                       | 20.75                          | 20.66                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 630668                      | 633334                         | 636000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3460.02                     | 3500.01                        | 3540                         |                        |             |
| 20                | QPSK       | 1       | 1         | 20.69                       | 20.73                          | 20.78                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 630500                      | 633334                         | 636168                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3467.5                      | 3500.01                        | 3542.52                      |                        |             |
| 15                | QPSK       | 1       | 1         | 20.60                       | 20.65                          | 20.69                        | 22.0                   | 0.0         |
| Channel           |            |         |           | 630334                      | 633334                         | 636334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3455.01                     | 3500.01                        | 3545.01                      |                        |             |
| 10                | QPSK       | 1       | 1         | 20.72                       | 20.71                          | 20.61                        | 22.0                   | 0.0         |

## Reduced Power Mode for DS17

| n5 Ant 0        |            |         |           |                       |                          |                        |                     |          |     |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |  |
| Channel         |            |         |           | 166800                | 167300                   | 167800                 | 24.0                | 0.0      |     |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |     |  |
| 20              | Pi/2 BPSK  | 1       | 1         | 23.11                 | 23.21                    | 23.17                  |                     |          |     |  |
| 20              | Pi/2 BPSK  | 1       | 53        | 23.01                 | 23.18                    | 23.10                  | 23.5                | 0.5      |     |  |
| 20              | Pi/2 BPSK  | 1       | 104       | 23.03                 | 23.04                    | 22.92                  |                     |          |     |  |
| 20              | Pi/2 BPSK  | 50      | 0         | 22.53                 | 22.65                    | 22.65                  |                     | 24.0     | 0.0 |  |
| 20              | Pi/2 BPSK  | 50      | 28        | 22.97                 | 23.14                    | 23.15                  | 23.5                |          | 0.5 |  |
| 20              | Pi/2 BPSK  | 50      | 56        | 22.39                 | 22.58                    | 22.38                  |                     |          |     |  |
| 20              | Pi/2 BPSK  | 100     | 0         | 22.54                 | 22.63                    | 22.52                  |                     |          |     |  |
| 20              | QPSK       | 1       | 1         | 23.23                 | 23.25                    | 23.24                  | 24.0                | 0.0      |     |  |
| 20              | QPSK       | 1       | 53        | 23.14                 | 23.15                    | 23.00                  |                     |          |     |  |
| 20              | QPSK       | 1       | 104       | 22.92                 | 23.07                    | 23.08                  |                     |          |     |  |
| 20              | QPSK       | 50      | 0         | 22.01                 | 22.19                    | 22.20                  | 23.0                | 1.0      |     |  |
| 20              | QPSK       | 50      | 28        | 23.11                 | 23.13                    | 22.97                  |                     | 24.0     | 0.0 |  |
| 20              | QPSK       | 50      | 56        | 22.00                 | 22.12                    | 22.13                  |                     |          |     |  |
| 20              | QPSK       | 100     | 0         | 22.15                 | 22.17                    | 22.10                  | 23.0                |          | 1.0 |  |
| 20              | 16QAM      | 1       | 1         | 22.17                 | 22.36                    | 22.16                  |                     | 1.0      |     |  |
| 20              | 64QAM      | 1       | 1         | 20.82                 | 20.86                    | 20.86                  |                     | 2.5      |     |  |
| 20              | 256QAM     | 1       | 1         | 18.85                 | 18.87                    | 18.80                  | 19.5                |          |     |  |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | 24.0                | 0.0      |     |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |     |  |
| 15              | QPSK       | 1       | 1         | 23.21                 | 23.07                    | 23.16                  |                     |          |     |  |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 | 24.0                | 0.0      |     |  |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |          |     |  |
| 10              | QPSK       | 1       | 1         | 23.03                 | 23.16                    | 23.18                  |                     |          |     |  |
| Channel         |            |         |           | 165300                | 167300                   | 169300                 | 24.0                | 0.0      |     |  |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |     |  |
| 5               | QPSK       | 1       | 1         | 23.05                 | 23.06                    | 23.16                  |                     |          |     |  |

| n26 Ant 0       |            |         |           |                       |                          |                        |                     |          |     |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel         |            |         |           | 164800                | 166300                   | 167800                 | 24.0                | 0.0      |     |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    |                     |          |     |
| 20              | PI/2 BPSK  | 1       | 1         | 23.57                 | 23.48                    | 23.54                  |                     |          |     |
| 20              | PI/2 BPSK  | 1       | 53        | 23.43                 | 23.45                    | 23.63                  | 24.0                | 0.0      |     |
| 20              | PI/2 BPSK  | 1       | 104       | 23.57                 | 23.64                    | 23.41                  |                     |          |     |
| 20              | PI/2 BPSK  | 50      | 0         | 23.07                 | 23.20                    | 23.11                  |                     | 23.5     | 0.5 |
| 20              | PI/2 BPSK  | 50      | 28        | 23.56                 | 23.51                    | 23.43                  | 23.5                | 0.0      |     |
| 20              | PI/2 BPSK  | 50      | 56        | 23.04                 | 23.15                    | 23.06                  |                     | 0.5      |     |
| 20              | PI/2 BPSK  | 100     | 0         | 23.02                 | 23.22                    | 23.19                  |                     |          |     |
| 20              | QPSK       | 1       | 1         | 23.58                 | 23.65                    | 23.62                  | 24.0                | 0.0      |     |
| 20              | QPSK       | 1       | 53        | 23.37                 | 23.65                    | 23.49                  |                     |          |     |
| 20              | QPSK       | 1       | 104       | 23.54                 | 23.54                    | 23.44                  |                     |          |     |
| 20              | QPSK       | 50      | 0         | 22.67                 | 22.67                    | 22.56                  | 23.0                | 1.0      |     |
| 20              | QPSK       | 50      | 28        | 23.50                 | 23.52                    | 23.45                  | 23.0                | 0.0      |     |
| 20              | QPSK       | 50      | 56        | 22.53                 | 22.70                    | 22.71                  |                     | 1.0      |     |
| 20              | QPSK       | 100     | 0         | 22.51                 | 22.58                    | 22.57                  |                     | 1.0      |     |
| 20              | 16QAM      | 1       | 1         | 22.47                 | 22.60                    | 22.61                  | 23.0                | 1.0      |     |
| 20              | 64QAM      | 1       | 1         | 21.03                 | 21.12                    | 21.03                  | 21.5                | 2.5      |     |
| 20              | 256QAM     | 1       | 1         | 19.02                 | 19.16                    | 19.07                  | 19.5                | 4.5      |     |
| Channel         |            |         |           | 164300                | 166300                   | 168300                 | 24.0                | 0.0      |     |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  |                     |          |     |
| 15              | QPSK       | 1       | 1         | 23.51                 | 23.60                    | 23.42                  |                     | 24.0     | 0.0 |
| Channel         |            |         |           | 163800                | 166300                   | 168800                 | 24.0                | 0.0      |     |
| Frequency (MHz) |            |         |           | 819                   | 831.5                    | 844                    |                     |          |     |
| 10              | QPSK       | 1       | 1         | 23.54                 | 23.47                    | 23.44                  |                     | 24.0     | 0.0 |
| Channel         |            |         |           | 163300                | 166300                   | 169300                 | 24.0                | 0.0      |     |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  |                     |          |     |
| 5               | QPSK       | 1       | 1         | 23.48                 | 23.50                    | 23.53                  |                     | 24.0     | 0.0 |

n2 Ant 1

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           | 372000                   | 376000                      | 380000                    | 21.9                   | 0.0         |
| Frequency (MHz) |            |         |           | 1860                     | 1880                        | 1900                      |                        |             |
| 20              | PI2 BPSK   | 1       | 1         | 20.39                    | 20.43                       | 20.37                     |                        |             |
| 20              | PI2 BPSK   | 1       | 53        | 20.32                    | 20.33                       | 20.28                     |                        |             |
| 20              | PI2 BPSK   | 1       | 104       | 20.36                    | 20.39                       | 20.38                     | 21.9                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 0         | 20.34                    | 20.42                       | 20.34                     | 21.9                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 28        | 20.43                    | 20.40                       | 20.38                     | 21.9                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 58        | 20.31                    | 20.47                       | 20.32                     | 21.9                   | 0.0         |
| 20              | PI2 BPSK   | 100     | 0         | 20.32                    | 20.35                       | 20.39                     | 21.9                   | 0.0         |
| 20              | QPSK       | 1       | 1         | 20.45                    | 20.46                       | 20.46                     |                        |             |
| 20              | QPSK       | 1       | 53        | 20.38                    | 20.42                       | 20.40                     |                        |             |
| 20              | QPSK       | 1       | 104       | 20.38                    | 20.42                       | 20.29                     |                        |             |
| 20              | QPSK       | 50      | 0         | 20.40                    | 20.40                       | 20.31                     | 21.9                   | 0.0         |
| 20              | QPSK       | 50      | 28        | 20.45                    | 20.47                       | 20.43                     | 21.9                   | 0.0         |
| 20              | QPSK       | 50      | 58        | 20.36                    | 20.37                       | 20.30                     | 21.9                   | 0.0         |
| 20              | QPSK       | 100     | 0         | 20.43                    | 20.45                       | 20.39                     | 21.9                   | 0.0         |
| 20              | 16QAM      | 1       | 1         | 20.33                    | 20.38                       | 20.29                     |                        |             |
| 20              | 64QAM      | 1       | 1         | 20.33                    | 20.21                       | 20.24                     |                        |             |
| 20              | 256QAM     | 1       | 1         | 18.88                    | 19.06                       | 18.93                     |                        |             |
| Channel         |            |         |           | 371500                   | 376000                      | 380500                    | 21.9                   | 0.0         |
| Frequency (MHz) |            |         |           | 1867.5                   | 1880                        | 1902.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 20.33                    | 20.35                       | 20.37                     |                        |             |
| Channel         |            |         |           | 371000                   | 376000                      | 381000                    | 21.9                   | 0.0         |
| Frequency (MHz) |            |         |           | 1905                     | 1900                        | 1905                      |                        |             |
| 10              | QPSK       | 1       | 1         | 20.30                    | 20.38                       | 20.31                     |                        |             |
| Channel         |            |         |           | 375500                   | 376000                      | 381500                    | 21.9                   | 0.0         |
| Frequency (MHz) |            |         |           | 1862.5                   | 1880                        | 1907.5                    |                        |             |
| 5               | QPSK       | 1       | 1         | 20.30                    | 20.31                       | 20.37                     |                        |             |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           | 504000                   | 507000                      | 510000                    | 22.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 2520                     | 2535                        | 2550                      |                        |             |
| 40              | PI2 BPSK   | 1       | 1         | 21.42                    | 21.45                       | 21.38                     |                        |             |
| 40              | PI2 BPSK   | 1       | 135       | 21.34                    | 21.37                       | 21.42                     |                        |             |
| 40              | PI2 BPSK   | 1       | 268       | 21.34                    | 21.43                       | 21.47                     | 22.5                   | 0.0         |
| 40              | PI2 BPSK   | 135     | 0         | 21.38                    | 21.45                       | 21.45                     | 22.5                   | 0.0         |
| 40              | PI2 BPSK   | 135     | 68        | 21.35                    | 21.48                       | 21.41                     | 22.5                   | 0.0         |
| 40              | PI2 BPSK   | 135     | 135       | 21.44                    | 21.41                       | 21.42                     | 22.5                   | 0.0         |
| 40              | PI2 BPSK   | 270     | 0         | 21.39                    | 21.37                       | 21.42                     | 22.5                   | 0.0         |
| 40              | QPSK       | 1       | 1         | 21.46                    | 21.48                       | 21.48                     |                        |             |
| 40              | QPSK       | 1       | 135       | 21.37                    | 21.43                       | 21.43                     |                        |             |
| 40              | QPSK       | 1       | 268       | 21.38                    | 21.40                       | 21.43                     |                        |             |
| 40              | QPSK       | 135     | 0         | 21.40                    | 21.46                       | 21.42                     | 22.5                   | 0.0         |
| 40              | QPSK       | 135     | 68        | 21.38                    | 21.48                       | 21.39                     | 22.5                   | 0.0         |
| 40              | QPSK       | 135     | 135       | 21.43                    | 21.40                       | 21.45                     | 22.5                   | 0.0         |
| 40              | QPSK       | 270     | 0         | 21.38                    | 21.47                       | 21.45                     | 22.5                   | 0.0         |
| 40              | 16QAM      | 1       | 1         | 21.35                    | 21.38                       | 21.35                     |                        |             |
| 40              | 64QAM      | 1       | 1         | 21.09                    | 20.98                       | 21.00                     |                        |             |
| 40              | 256QAM     | 1       | 1         | 18.84                    | 18.96                       | 18.77                     |                        |             |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    | 22.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 2515                     | 2535                        | 2555                      |                        |             |
| 30              | QPSK       | 1       | 1         | 21.40                    | 21.42                       | 21.30                     |                        |             |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    | 22.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 2512.5                   | 2535                        | 2557.5                    |                        |             |
| 25              | QPSK       | 1       | 1         | 21.37                    | 21.33                       | 21.29                     |                        |             |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    | 22.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      |                        |             |
| 20              | PI2 BPSK   | 1       | 1         | 21.33                    | 21.33                       | 21.39                     |                        |             |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    | 22.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 21.32                    | 21.32                       | 21.37                     |                        |             |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    | 22.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      |                        |             |
| 10              | QPSK       | 1       | 1         | 21.31                    | 21.38                       | 21.40                     |                        |             |
| Channel         |            |         |           | 500500                   | 507000                      | 513500                    | 22.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 2502.5                   | 2535                        | 2567.5                    |                        |             |
| 5               | QPSK       | 1       | 1         | 21.41                    | 21.44                       | 21.30                     |                        |             |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           | 346000                   | 348000                      | 350000                    | 22.1                   | 0.0         |
| Frequency (MHz) |            |         |           | 1730                     | 1745                        | 1760                      |                        |             |
| 40              | PI2 BPSK   | 1       | 1         | 21.18                    | 21.23                       | 21.12                     |                        |             |
| 40              | PI2 BPSK   | 1       | 108       | 21.18                    | 21.21                       | 21.24                     |                        |             |
| 40              | PI2 BPSK   | 1       | 214       | 21.22                    | 21.24                       | 21.20                     | 22.1                   | 0.0         |
| 40              | PI2 BPSK   | 108     | 0         | 21.15                    | 21.22                       | 21.15                     | 22.1                   | 0.0         |
| 40              | PI2 BPSK   | 108     | 54        | 21.16                    | 21.18                       | 21.23                     | 22.1                   | 0.0         |
| 40              | PI2 BPSK   | 108     | 108       | 21.24                    | 21.17                       | 21.13                     | 22.1                   | 0.0         |
| 40              | PI2 BPSK   | 216     | 0         | 21.24                    | 21.25                       | 21.12                     | 22.1                   | 0.0         |
| 40              | QPSK       | 1       | 1         | 21.22                    | 21.26                       | 21.26                     |                        |             |
| 40              | QPSK       | 1       | 108       | 21.28                    | 21.24                       | 21.23                     |                        |             |
| 40              | QPSK       | 1       | 214       | 21.23                    | 21.21                       | 21.24                     |                        |             |
| 40              | QPSK       | 108     | 0         | 21.24                    | 21.17                       | 21.22                     | 22.1                   | 0.0         |
| 40              | QPSK       | 108     | 54        | 21.17                    | 21.26                       | 21.15                     | 22.1                   | 0.0         |
| 40              | QPSK       | 108     | 108       | 21.25                    | 21.19                       | 21.23                     | 22.1                   | 0.0         |
| 40              | QPSK       | 216     | 0         | 21.14                    | 21.21                       | 21.13                     | 22.1                   | 0.0         |
| 40              | 16QAM      | 1       | 1         | 21.19                    | 21.24                       | 21.21                     |                        |             |
| 40              | 64QAM      | 1       | 1         | 20.89                    | 20.88                       | 20.79                     |                        |             |
| 40              | 256QAM     | 1       | 1         | 18.47                    | 18.57                       | 18.37                     |                        |             |
| Channel         |            |         |           | 345000                   | 348000                      | 352500                    | 22.1                   | 0.0         |
| Frequency (MHz) |            |         |           | 1727.5                   | 1745                        | 1762.5                    |                        |             |
| 35              | QPSK       | 1       | 1         | 21.21                    | 21.14                       | 21.09                     |                        |             |
| Channel         |            |         |           | 345000                   | 349000                      | 353000                    | 22.1                   | 0.0         |
| Frequency (MHz) |            |         |           | 1725                     | 1745                        | 1765                      |                        |             |
| 30              | QPSK       | 1       | 1         | 21.14                    | 21.15                       | 21.15                     |                        |             |
| Channel         |            |         |           | 344500                   | 349000                      | 353500                    | 22.1                   | 0.0         |
| Frequency (MHz) |            |         |           | 1722.5                   | 1745                        | 1767.5                    |                        |             |
| 25              | QPSK       | 1       | 1         | 21.14                    | 21.14                       | 21.14                     |                        |             |
| Channel         |            |         |           | 344000                   | 349000                      | 354000                    | 22.1                   | 0.0         |
| Frequency (MHz) |            |         |           | 1720                     | 1745                        | 1770                      |                        |             |
| 20              | QPSK       | 1       | 1         | 21.18                    | 21.26                       | 21.14                     |                        |             |
| Channel         |            |         |           | 343500                   | 349000                      | 354500                    | 22.1                   | 0.0         |
| Frequency (MHz) |            |         |           | 1717.5                   | 1745                        | 1772.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 21.21                    | 21.12                       | 21.16                     |                        |             |
| Channel         |            |         |           | 343000                   | 349000                      | 355000                    | 22.1                   | 0.0         |
| Frequency (MHz) |            |         |           | 1715                     | 1745                        | 1775                      |                        |             |
| 10              | QPSK       | 1       | 1         | 21.20                    | 21.23                       | 21.16                     |                        |             |
| Channel         |            |         |           | 342500                   | 349000                      | 355500                    | 22.1                   | 0.0         |
| Frequency (MHz) |            |         |           | 1712.5                   | 1745                        | 1777.5                    |                        |             |
| 5               | QPSK       | 1       | 1         | 21.17                    | 21.20                       | 21.17                     |                        |             |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           | 372000                   | 376000                      | 380000                    | 18.4                   | 0.0         |
| Frequency (MHz) |            |         |           | 1860                     | 1880                        | 1900                      |                        |             |
| 20              | PI2 BPSK   | 1       | 1         | 16.93                    | 16.90                       | 16.89                     | 18.4                   | 0.0         |
| 20              | PI2 BPSK   | 1       | 53        | 16.82                    | 17.00                       | 17.03                     |                        |             |
| 20              | PI2 BPSK   | 1       | 104       | 16.82                    | 16.86                       | 16.98                     | 18.4                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 0         | 16.90                    | 17.03                       | 16.83                     |                        |             |
| 20              | PI2 BPSK   | 50      | 28        | 17.01                    | 17.01                       | 16.84                     | 18.4                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 56        | 16.93                    | 17.00                       | 16.87                     |                        |             |
| 20              | PI2 BPSK   | 100     | 0         | 17.06                    | 16.91                       | 16.98                     | 18.4                   | 0.0         |
| 20              | QPSK       | 1       | 1         | 16.97                    | 17.06                       | 16.98                     |                        |             |
| 20              | QPSK       | 1       | 53        | 16.91                    | 17.04                       | 16.95                     | 18.4                   | 0.0         |
| 20              | QPSK       | 1       | 104       | 16.92                    | 16.86                       | 16.85                     |                        |             |
| 20              | QPSK       | 50      | 0         | 16.87                    | 16.86                       | 16.92                     | 18.4                   | 0.0         |
| 20              | QPSK       | 50      | 28        | 16.94                    | 17.04                       | 17.01                     |                        |             |
| 20              | QPSK       | 50      | 56        | 16.82                    | 16.90                       | 16.85                     | 18.4                   | 0.0         |
| 20              | QPSK       | 100     | 0         | 16.90                    | 16.95                       | 16.92                     |                        |             |
| 20              | 16QAM      | 1       | 1         | 16.94                    | 16.98                       | 16.80                     | 18.4                   | 0.0         |
| 20              | 64QAM      | 1       | 1         | 17.00                    | 17.00                       | 16.91                     |                        |             |
| 20              | 256QAM     | 1       | 1         | 16.94                    | 16.95                       | 17.02                     | 18.4                   | 0.0         |
| Channel         |            |         |           | 371500                   | 376000                      | 380500                    |                        |             |
| Frequency (MHz) |            |         |           | 1857.5                   | 1880                        | 1902.5                    | 18.4                   | 0.0         |
| 15              | QPSK       | 1       | 1         | 16.85                    | 16.82                       | 16.83                     |                        |             |
| Channel         |            |         |           | 371000                   | 376000                      | 381000                    | 18.4                   | 0.0         |
| Frequency (MHz) |            |         |           | 1855                     | 1880                        | 1905                      |                        |             |
| 10              | QPSK       | 1       | 1         | 16.82                    | 16.84                       | 16.82                     | 18.4                   | 0.0         |
| Channel         |            |         |           | 375500                   | 376000                      | 381500                    |                        |             |
| Frequency (MHz) |            |         |           | 1852.5                   | 1880                        | 1907.5                    | 18.4                   | 0.0         |
| 5               | QPSK       | 1       | 1         | 16.94                    | 16.75                       | 16.69                     |                        |             |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           | 166800                   | 167300                      | 167800                    | 21.4                   | 0.0         |
| Frequency (MHz) |            |         |           | 834                      | 836.5                       | 839                       |                        |             |
| 20              | PI2 BPSK   | 1       | 1         | 20.03                    | 20.13                       | 20.08                     | 21.4                   | 0.0         |
| 20              | PI2 BPSK   | 1       | 53        | 20.12                    | 20.05                       | 20.05                     |                        |             |
| 20              | PI2 BPSK   | 1       | 104       | 20.04                    | 20.15                       | 20.06                     | 21.4                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 0         | 20.08                    | 20.12                       | 20.10                     |                        |             |
| 20              | PI2 BPSK   | 50      | 28        | 20.08                    | 20.08                       | 20.02                     | 21.4                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 56        | 20.03                    | 20.06                       | 20.09                     |                        |             |
| 20              | PI2 BPSK   | 100     | 0         | 20.03                    | 20.10                       | 20.14                     | 21.4                   | 0.0         |
| 20              | QPSK       | 1       | 1         | 20.15                    | 20.17                       | 20.08                     |                        |             |
| 20              | QPSK       | 1       | 53        | 20.06                    | 20.14                       | 20.08                     | 21.4                   | 0.0         |
| 20              | QPSK       | 1       | 104       | 20.14                    | 20.13                       | 20.09                     |                        |             |
| 20              | QPSK       | 50      | 0         | 20.08                    | 20.15                       | 20.11                     | 21.4                   | 0.0         |
| 20              | QPSK       | 50      | 28        | 20.08                    | 20.08                       | 20.05                     |                        |             |
| 20              | QPSK       | 50      | 56        | 20.01                    | 20.14                       | 20.10                     | 21.4                   | 0.0         |
| 20              | QPSK       | 100     | 0         | 20.07                    | 20.12                       | 20.10                     |                        |             |
| 20              | 16QAM      | 1       | 1         | 20.13                    | 20.07                       | 20.11                     | 21.4                   | 0.0         |
| 20              | 64QAM      | 1       | 1         | 20.13                    | 20.13                       | 20.12                     |                        |             |
| 20              | 256QAM     | 1       | 1         | 18.39                    | 18.66                       | 18.53                     | 19.5                   | 1.9         |
| Channel         |            |         |           | 166300                   | 167300                      | 167800                    |                        |             |
| Frequency (MHz) |            |         |           | 831.5                    | 836.5                       | 841.5                     | 21.4                   | 0.0         |
| 15              | QPSK       | 1       | 1         | 20.02                    | 20.01                       | 20.10                     |                        |             |
| Channel         |            |         |           | 166800                   | 167300                      | 168800                    | 21.4                   | 0.0         |
| Frequency (MHz) |            |         |           | 830                      | 836.5                       | 844                       |                        |             |
| 10              | QPSK       | 1       | 1         | 20.09                    | 20.04                       | 20.06                     | 21.4                   | 0.0         |
| Channel         |            |         |           | 166300                   | 167300                      | 169300                    |                        |             |
| Frequency (MHz) |            |         |           | 826.5                    | 836.5                       | 846.5                     | 21.4                   | 0.0         |
| 5               | QPSK       | 1       | 1         | 20.01                    | 20.01                       | 20.02                     |                        |             |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           | 504500                   | 507000                      | 510000                    | 15.4                   | 0.0         |
| Frequency (MHz) |            |         |           | 2520                     | 2535                        | 2550                      |                        |             |
| 40              | PI2 BPSK   | 1       | 1         | 14.25                    | 14.26                       | 14.21                     | 15.4                   | 0.0         |
| 40              | PI2 BPSK   | 1       | 135       | 14.19                    | 14.28                       | 14.19                     |                        |             |
| 40              | PI2 BPSK   | 1       | 268       | 14.19                    | 14.26                       | 14.28                     | 15.4                   | 0.0         |
| 40              | PI2 BPSK   | 135     | 0         | 14.20                    | 14.21                       | 14.24                     |                        |             |
| 40              | PI2 BPSK   | 135     | 68        | 14.19                    | 14.27                       | 14.21                     | 15.4                   | 0.0         |
| 40              | PI2 BPSK   | 135     | 135       | 14.17                    | 14.21                       | 14.29                     |                        |             |
| 40              | PI2 BPSK   | 270     | 0         | 14.27                    | 14.19                       | 14.25                     | 15.4                   | 0.0         |
| 40              | QPSK       | 1       | 1         | 14.27                    | 14.30                       | 14.24                     |                        |             |
| 40              | QPSK       | 1       | 135       | 14.23                    | 14.26                       | 14.23                     | 15.4                   | 0.0         |
| 40              | QPSK       | 1       | 268       | 14.27                    | 14.17                       | 14.29                     |                        |             |
| 40              | QPSK       | 135     | 0         | 14.27                    | 14.27                       | 14.25                     | 15.4                   | 0.0         |
| 40              | QPSK       | 135     | 68        | 14.19                    | 14.28                       | 14.25                     |                        |             |
| 40              | QPSK       | 135     | 135       | 14.16                    | 14.25                       | 14.19                     | 15.4                   | 0.0         |
| 40              | QPSK       | 270     | 0         | 14.22                    | 14.26                       | 14.18                     |                        |             |
| 40              | 16QAM      | 1       | 1         | 14.19                    | 14.23                       | 14.23                     | 15.4                   | 0.0         |
| 40              | 64QAM      | 1       | 1         | 14.24                    | 14.27                       | 14.16                     |                        |             |
| 40              | 256QAM     | 1       | 1         | 14.20                    | 14.23                       | 14.18                     | 15.4                   | 0.0         |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    |                        |             |
| Frequency (MHz) |            |         |           | 2515                     | 2535                        | 2555                      | 15.4                   | 0.0         |
| 30              | QPSK       | 1       | 1         | 14.16                    | 14.20                       | 14.13                     |                        |             |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    | 15.4                   | 0.0         |
| Frequency (MHz) |            |         |           | 2512.5                   | 2535                        | 2557.5                    |                        |             |
| 25              | QPSK       | 1       | 1         | 14.23                    | 14.21                       | 14.10                     | 15.4                   | 0.0         |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    |                        |             |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      | 15.4                   | 0.0         |
| 20              | PI2 BPSK   | 1       | 1         | 14.10                    | 14.16                       | 14.19                     |                        |             |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    | 15.4                   | 0.0         |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 14.13                    | 14.18                       | 14.15                     | 15.4                   | 0.0         |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    |                        |             |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      | 15.4                   | 0.0         |
| 10              | QPSK       | 1       | 1         | 14.15                    | 14.24                       | 14.22                     |                        |             |
| Channel         |            |         |           | 500500                   | 507000                      | 513500                    | 15.4                   | 0.0         |
| Frequency (MHz) |            |         |           | 2502.5                   | 2535                        | 2567.5                    |                        |             |
| 5               | QPSK       | 1       | 1         | 14.12                    | 14.21                       | 14.22                     | 15.4                   | 0.0         |

| n26 Ant 4       |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 168300                | 168300                   | 167600                 | 21.4                | 0.0      |  |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 20.14                 | 20.10                    | 20.13                  | 21.4                | 0.0      |  |
| 20              | PI2 BPSK   | 1       | 53        | 20.11                 | 20.15                    | 20.09                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 20.04                 | 20.11                    | 20.05                  | 21.4                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 0         | 20.08                 | 20.14                    | 20.07                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 28        | 20.10                 | 20.12                    | 20.08                  | 21.4                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 56        | 20.05                 | 20.08                    | 20.03                  |                     |          |  |
| 20              | PI2 BPSK   | 100     | 0         | 20.12                 | 20.05                    | 20.03                  | 21.4                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 20.13                 | 20.18                    | 20.15                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 20.15                 | 20.06                    | 20.09                  | 21.4                | 0.0      |  |
| 20              | QPSK       | 1       | 104       | 20.01                 | 20.13                    | 20.11                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 20.12                 | 20.14                    | 20.10                  | 21.4                | 0.0      |  |
| 20              | QPSK       | 50      | 28        | 20.15                 | 20.17                    | 20.09                  |                     |          |  |
| 20              | QPSK       | 50      | 56        | 20.08                 | 20.06                    | 20.08                  | 21.4                | 0.0      |  |
| 20              | QPSK       | 100     | 0         | 20.05                 | 20.15                    | 20.08                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 20.08                 | 20.15                    | 20.03                  | 21.4                | 0.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.10                 | 20.13                    | 20.13                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 18.52                 | 18.87                    | 18.68                  | 19.5                | 1.9      |  |
| Channel         |            |         |           | 164300                | 165300                   | 165300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 20.04                 | 20.06                    | 20.07                  | 21.4                | 0.0      |  |
| Channel         |            |         |           | 163800                | 166300                   | 166800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 13                    | 831.5                    | 841                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 20.00                 | 20.01                    | 19.97                  | 21.4                | 0.0      |  |
| Channel         |            |         |           | 163300                | 166300                   | 166300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 20.00                 | 20.07                    | 19.97                  | 21.4                | 0.0      |  |

| n66 Ant 4       |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 345000                | 349000                   | 350000                 | 16.4                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 15.43                 | 15.45                    | 15.38                  | 16.4                | 0.0      |  |
| 40              | PI2 BPSK   | 1       | 108       | 15.44                 | 15.43                    | 15.41                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 214       | 15.41                 | 15.37                    | 15.34                  | 16.4                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 0         | 15.33                 | 15.42                    | 15.44                  |                     |          |  |
| 40              | PI2 BPSK   | 108     | 54        | 15.33                 | 15.40                    | 15.32                  | 16.4                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 108       | 15.43                 | 15.45                    | 15.43                  |                     |          |  |
| 40              | PI2 BPSK   | 216     | 0         | 15.31                 | 15.43                    | 15.31                  | 16.4                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 15.45                 | 15.47                    | 15.42                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 15.42                 | 15.37                    | 15.37                  | 16.4                | 0.0      |  |
| 40              | QPSK       | 1       | 214       | 15.41                 | 15.34                    | 15.35                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 15.41                 | 15.43                    | 15.38                  | 16.4                | 0.0      |  |
| 40              | QPSK       | 108     | 54        | 15.39                 | 15.46                    | 15.43                  |                     |          |  |
| 40              | QPSK       | 108     | 108       | 15.35                 | 15.37                    | 15.34                  | 16.4                | 0.0      |  |
| 40              | QPSK       | 216     | 0         | 15.35                 | 15.45                    | 15.44                  |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 15.44                 | 15.43                    | 15.43                  | 16.4                | 0.0      |  |
| 40              | 64QAM      | 1       | 1         | 15.45                 | 15.38                    | 15.42                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 15.40                 | 15.34                    | 15.33                  | 16.4                | 0.0      |  |
| Channel         |            |         |           | 345000                | 349000                   | 350000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1727.5                | 1745                     | 1762.5                 |                     |          |  |
| 35              | QPSK       | 1       | 1         | 15.28                 | 15.31                    | 15.34                  | 16.4                | 0.0      |  |
| Channel         |            |         |           | 345000                | 349000                   | 350000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 15.31                 | 15.39                    | 15.40                  | 16.4                | 0.0      |  |
| Channel         |            |         |           | 344500                | 349000                   | 350000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1722.5                | 1745                     | 1767.5                 |                     |          |  |
| 25              | QPSK       | 1       | 1         | 15.39                 | 15.32                    | 15.31                  | 16.4                | 0.0      |  |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 15.37                 | 15.44                    | 15.33                  | 16.4                | 0.0      |  |
| Channel         |            |         |           | 343500                | 349000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 15.30                 | 15.37                    | 15.35                  | 16.4                | 0.0      |  |
| Channel         |            |         |           | 343000                | 350000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 15.29                 | 15.32                    | 15.41                  | 16.4                | 0.0      |  |
| Channel         |            |         |           | 342500                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 15.28                 | 15.32                    | 15.39                  | 16.4                | 0.0      |  |

| Part27Q n78 Ant 3 |            |         |           |                       |                          |                        |                     |          |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel           |            |         |           | 633334                |                          |                        | 12.8                | 0.0      |
| Frequency (MHz)   |            |         |           | 3500.01               |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 1         |                       | 11.62                    |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 137       |                       | 11.62                    |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 271       |                       | 11.63                    |                        |                     |          |
| 100               | PI/2 BPSK  | 135     | 0         |                       | 11.59                    |                        | 12.8                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 69        |                       | 11.59                    |                        | 12.8                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 138       |                       | 11.64                    |                        | 12.8                | 0.0      |
| 100               | PI/2 BPSK  | 270     | 0         |                       | 11.66                    |                        |                     |          |
| 100               | QPSK       | 1       | 1         |                       | 11.67                    |                        | 12.8                | 0.0      |
| 100               | QPSK       | 1       | 137       |                       | 11.59                    |                        |                     |          |
| 100               | QPSK       | 1       | 271       |                       | 11.55                    |                        |                     |          |
| 100               | QPSK       | 135     | 0         |                       | 11.62                    |                        | 12.8                | 0.0      |
| 100               | QPSK       | 135     | 69        |                       | 11.65                    |                        | 12.8                | 0.0      |
| 100               | QPSK       | 135     | 138       |                       | 11.55                    |                        | 12.8                | 0.0      |
| 100               | QPSK       | 270     | 0         |                       | 11.63                    |                        |                     |          |
| 100               | 16QAM      | 1       | 1         |                       | 11.62                    |                        | 12.8                | 0.0      |
| 100               | 64QAM      | 1       | 1         |                       | 11.64                    |                        | 12.8                | 0.0      |
| 100               | 256QAM     | 1       | 1         |                       | 11.63                    |                        | 12.8                | 0.0      |
| Channel           |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3495                  | 3500.01                  | 3505.02                | (dBm)               | (dB)     |
| 90                | QPSK       | 1       | 1         | 11.58                 | 11.64                    | 11.54                  | 12.8                | 0.0      |
| Channel           |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3490.02               | 3500.01                  | 3510                   | (dBm)               | (dB)     |
| 80                | QPSK       | 1       | 1         | 11.57                 | 11.64                    | 11.61                  | 12.8                | 0.0      |
| Channel           |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3485.01               | 3500.01                  | 3515.01                | (dBm)               | (dB)     |
| 70                | QPSK       | 1       | 1         | 11.63                 | 11.53                    | 11.64                  | 12.8                | 0.0      |
| Channel           |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3480                  | 3500.01                  | 3520.02                | (dBm)               | (dB)     |
| 60                | QPSK       | 1       | 1         | 11.63                 | 11.62                    | 11.63                  | 12.8                | 0.0      |
| Channel           |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3475.02               | 3500.01                  | 3525                   | (dBm)               | (dB)     |
| 50                | QPSK       | 1       | 1         | 11.61                 | 11.53                    | 11.64                  | 12.8                | 0.0      |
| Channel           |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3470.01               | 3500.01                  | 3530.01                | (dBm)               | (dB)     |
| 40                | QPSK       | 1       | 1         | 11.57                 | 11.55                    | 11.54                  | 12.8                | 0.0      |
| Channel           |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3465                  | 3500.01                  | 3535.02                | (dBm)               | (dB)     |
| 30                | QPSK       | 1       | 1         | 11.61                 | 11.54                    | 11.56                  | 12.8                | 0.0      |
| Channel           |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3460.02               | 3500.01                  | 3540                   | (dBm)               | (dB)     |
| 20                | QPSK       | 1       | 1         | 11.63                 | 11.54                    | 11.59                  | 12.8                | 0.0      |
| Channel           |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3457.5                | 3500.01                  | 3542.52                | (dBm)               | (dB)     |
| 15                | QPSK       | 1       | 1         | 11.62                 | 11.64                    | 11.61                  | 12.8                | 0.0      |
| Channel           |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3455.01               | 3500.01                  | 3545.01                | (dBm)               | (dB)     |
| 10                | QPSK       | 1       | 1         | 11.55                 | 11.56                    | 11.61                  | 12.8                | 0.0      |

| Part27Q n78 Ant 5 |            |         |           |                             |                                |                              |                        |             |
|-------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3495                        | 3500.01                        | 3505.02                      | (dBm)                  | (dB)        |
| 100               | PV2 BPSK   | 1       | 1         | 13.55                       | 13.59                          | 13.64                        | 14.3                   | 0.0         |
| 100               | PV2 BPSK   | 1       | 137       |                             | 13.61                          |                              |                        |             |
| 100               | PV2 BPSK   | 1       | 271       |                             | 13.64                          |                              |                        |             |
| 100               | PV2 BPSK   | 135     | 0         |                             | 13.57                          |                              | 14.3                   | 0.0         |
| 100               | PV2 BPSK   | 135     | 69        |                             | 13.58                          |                              | 14.3                   | 0.0         |
| 100               | PV2 BPSK   | 135     | 138       |                             | 13.66                          |                              | 14.3                   | 0.0         |
| 100               | PV2 BPSK   | 270     | 0         |                             | 13.57                          |                              |                        |             |
| 100               | QPSK       | 1       | 1         |                             | 13.69                          |                              |                        |             |
| 100               | QPSK       | 1       | 137       |                             | 13.68                          |                              | 14.3                   | 0.0         |
| 100               | QPSK       | 1       | 271       |                             | 13.58                          |                              |                        |             |
| 100               | QPSK       | 135     | 0         |                             | 13.63                          |                              | 14.3                   | 0.0         |
| 100               | QPSK       | 135     | 69        |                             | 13.67                          |                              | 14.3                   | 0.0         |
| 100               | QPSK       | 135     | 138       |                             | 13.62                          |                              | 14.3                   | 0.0         |
| 100               | QPSK       | 270     | 0         |                             | 13.64                          |                              |                        |             |
| 100               | 16QAM      | 1       | 1         |                             | 13.66                          |                              | 14.3                   | 0.0         |
| 100               | 64QAM      | 1       | 1         |                             | 13.59                          |                              | 14.3                   | 0.0         |
| 100               | 256QAM     | 1       | 1         |                             | 13.66                          |                              | 14.3                   | 0.0         |
| Channel           |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3495                        | 3500.01                        | 3505.02                      | (dBm)                  | (dB)        |
| 90                | QPSK       | 1       | 1         | 13.55                       | 13.59                          | 13.64                        | 14.3                   | 0.0         |
| Channel           |            |         |           | 632668                      | 633334                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3490.02                     | 3500.01                        | 3510                         | (dBm)                  | (dB)        |
| 80                | QPSK       | 1       | 1         | 13.60                       | 13.59                          | 13.53                        | 14.3                   | 0.0         |
| Channel           |            |         |           | 632334                      | 633334                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3485.01                     | 3500.01                        | 3515.01                      | (dBm)                  | (dB)        |
| 70                | QPSK       | 1       | 1         | 13.60                       | 13.65                          | 13.55                        | 14.3                   | 0.0         |
| Channel           |            |         |           | 632000                      | 633334                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3480                        | 3500.01                        | 3520.02                      | (dBm)                  | (dB)        |
| 60                | QPSK       | 1       | 1         | 13.54                       | 13.58                          | 13.56                        | 14.3                   | 0.0         |
| Channel           |            |         |           | 631668                      | 633334                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3475.02                     | 3500.01                        | 3525                         | (dBm)                  | (dB)        |
| 50                | QPSK       | 1       | 1         | 13.61                       | 13.64                          | 13.54                        | 14.3                   | 0.0         |
| Channel           |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      | (dBm)                  | (dB)        |
| 40                | QPSK       | 1       | 1         | 13.60                       | 13.65                          | 13.60                        | 14.3                   | 0.0         |
| Channel           |            |         |           | 631000                      | 633334                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3465                        | 3500.01                        | 3535.02                      | (dBm)                  | (dB)        |
| 30                | QPSK       | 1       | 1         | 13.54                       | 13.57                          | 13.64                        | 14.3                   | 0.0         |
| Channel           |            |         |           | 630668                      | 633334                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3460.02                     | 3500.01                        | 3540                         | (dBm)                  | (dB)        |
| 20                | QPSK       | 1       | 1         | 13.62                       | 13.63                          | 13.54                        | 14.3                   | 0.0         |
| Channel           |            |         |           | 630500                      | 633334                         | 636168                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3467.5                      | 3500.01                        | 3542.52                      | (dBm)                  | (dB)        |
| 15                | QPSK       | 1       | 1         | 13.62                       | 13.62                          | 13.64                        | 14.3                   | 0.0         |
| Channel           |            |         |           | 630334                      | 633334                         | 636334                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3455.01                     | 3500.01                        | 3545.01                      | (dBm)                  | (dB)        |
| 10                | QPSK       | 1       | 1         | 13.62                       | 13.62                          | 13.53                        | 14.3                   | 0.0         |

| Part27Q n78 Ant 7 |            |         |           |                       |                          |                        |                     |          |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel           |            |         |           | 633334                |                          |                        | 14.0                | 0.0      |
| Frequency (MHz)   |            |         |           | 3500.01               |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 1         | 13.23                 |                          |                        | 14.0                | 0.0      |
| 100               | PI/2 BPSK  | 1       | 137       | 13.17                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 271       | 13.16                 |                          |                        | 14.0                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 0         | 13.15                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 135     | 69        | 13.19                 |                          |                        | 14.0                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 138       | 13.25                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 270     | 0         | 13.22                 |                          |                        | 14.0                | 0.0      |
| 100               | QPSK       | 1       | 1         | 13.26                 |                          |                        |                     |          |
| 100               | QPSK       | 1       | 137       | 13.24                 |                          |                        | 14.0                | 0.0      |
| 100               | QPSK       | 1       | 271       | 13.25                 |                          |                        |                     |          |
| 100               | QPSK       | 135     | 0         | 13.18                 |                          |                        | 14.0                | 0.0      |
| 100               | QPSK       | 135     | 69        | 13.23                 |                          |                        |                     |          |
| 100               | QPSK       | 135     | 138       | 13.22                 |                          |                        | 14.0                | 0.0      |
| 100               | QPSK       | 270     | 0         | 13.21                 |                          |                        |                     |          |
| 100               | 16QAM      | 1       | 1         | 13.18                 |                          |                        | 14.0                | 0.0      |
| 100               | 64QAM      | 1       | 1         | 13.13                 |                          |                        |                     |          |
| 100               | 256QAM     | 1       | 1         | 13.17                 |                          |                        | 14.0                | 0.0      |
| Channel           |            |         |           | 633000                | 633334                   | 633668                 |                     |          |
| Frequency (MHz)   |            |         |           | 3495                  | 3500.01                  | 3505.02                | 14.0                | 0.0      |
| 90                | QPSK       | 1       | 1         | 13.19                 | 13.11                    | 13.16                  |                     |          |
| Channel           |            |         |           | 632668                | 633334                   | 634000                 | 14.0                | 0.0      |
| Frequency (MHz)   |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |
| 80                | QPSK       | 1       | 1         | 13.17                 | 13.19                    | 13.06                  | 14.0                | 0.0      |
| Channel           |            |         |           | 632334                | 633334                   | 634334                 |                     |          |
| Frequency (MHz)   |            |         |           | 3485.01               | 3500.01                  | 3515.01                | 14.0                | 0.0      |
| 70                | QPSK       | 1       | 1         | 13.12                 | 13.13                    | 13.16                  |                     |          |
| Channel           |            |         |           | 632000                | 633334                   | 634668                 | 14.0                | 0.0      |
| Frequency (MHz)   |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |
| 60                | QPSK       | 1       | 1         | 13.09                 | 13.07                    | 13.07                  | 14.0                | 0.0      |
| Channel           |            |         |           | 631668                | 633334                   | 635000                 |                     |          |
| Frequency (MHz)   |            |         |           | 3475.02               | 3500.01                  | 3525                   | 14.0                | 0.0      |
| 50                | QPSK       | 1       | 1         | 13.06                 | 13.09                    | 13.16                  |                     |          |
| Channel           |            |         |           | 631334                | 633334                   | 635334                 | 14.0                | 0.0      |
| Frequency (MHz)   |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |
| 40                | QPSK       | 1       | 1         | 13.09                 | 13.19                    | 13.19                  | 14.0                | 0.0      |
| Channel           |            |         |           | 631000                | 633334                   | 635668                 |                     |          |
| Frequency (MHz)   |            |         |           | 3465                  | 3500.01                  | 3535.02                | 14.0                | 0.0      |
| 30                | QPSK       | 1       | 1         | 13.11                 | 13.07                    | 13.10                  |                     |          |
| Channel           |            |         |           | 630668                | 633334                   | 636000                 | 14.0                | 0.0      |
| Frequency (MHz)   |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |
| 20                | QPSK       | 1       | 1         | 13.11                 | 13.08                    | 13.14                  | 14.0                | 0.0      |
| Channel           |            |         |           | 630500                | 633334                   | 636168                 |                     |          |
| Frequency (MHz)   |            |         |           | 3457.5                | 3500.01                  | 3542.52                | 14.0                | 0.0      |
| 15                | QPSK       | 1       | 1         | 13.13                 | 13.20                    | 13.14                  |                     |          |
| Channel           |            |         |           | 630334                | 633334                   | 636334                 | 14.0                | 0.0      |
| Frequency (MHz)   |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |
| 10                | QPSK       | 1       | 1         | 13.09                 | 13.11                    | 13.14                  | 14.0                | 0.0      |
| Channel           |            |         |           | 630000                | 633334                   | 636500                 |                     |          |

| Part27Q n78 Ant 9 |            |         |           |                       |                          |                        |                     |          |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel           |            |         |           | 633334                |                          |                        | 20.7                | 0.0      |
| Frequency (MHz)   |            |         |           | 3500.01               |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 1         | 19.61                 |                          |                        | 20.7                | 0.0      |
| 100               | PI/2 BPSK  | 1       | 137       | 19.58                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 271       | 19.60                 |                          |                        | 20.7                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 0         | 19.10                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 135     | 69        | 19.59                 |                          |                        | 20.7                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 138       | 19.17                 |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 270     | 0         | 19.12                 |                          |                        | 20.7                | 0.0      |
| 100               | QPSK       | 1       | 1         | 19.82                 |                          |                        |                     |          |
| 100               | QPSK       | 1       | 137       | 19.57                 |                          |                        | 20.7                | 0.0      |
| 100               | QPSK       | 1       | 271       | 19.62                 |                          |                        |                     |          |
| 100               | QPSK       | 135     | 0         | 18.73                 |                          |                        | 20.7                | 0.0      |
| 100               | QPSK       | 135     | 69        | 19.65                 |                          |                        |                     |          |
| 100               | QPSK       | 135     | 138       | 19.64                 |                          |                        | 20.7                | 0.0      |
| 100               | QPSK       | 270     | 0         | 19.72                 |                          |                        |                     |          |
| 100               | 16QAM      | 1       | 1         | 19.71                 |                          |                        | 20.7                | 0.0      |
| 100               | 64QAM      | 1       | 1         | 18.18                 |                          |                        |                     |          |
| 100               | 256QAM     | 1       | 1         | 16.16                 |                          |                        | 17.5                | 3.2      |
| Channel           |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3495                  | 3500.01                  | 3505.02                | (dBm)               | (dB)     |
| 90                | QPSK       | 1       | 1         | 19.60                 | 19.62                    | 19.46                  | 20.7                | 0.0      |
| Channel           |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3490.02               | 3500.01                  | 3510                   | (dBm)               | (dB)     |
| 80                | QPSK       | 1       | 1         | 19.65                 | 19.51                    | 19.51                  | 20.7                | 0.0      |
| Channel           |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3485.01               | 3500.01                  | 3515.01                | (dBm)               | (dB)     |
| 70                | QPSK       | 1       | 1         | 19.73                 | 19.57                    | 19.48                  | 20.7                | 0.0      |
| Channel           |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3480                  | 3500.01                  | 3520.02                | (dBm)               | (dB)     |
| 60                | QPSK       | 1       | 1         | 19.55                 | 19.55                    | 19.44                  | 20.7                | 0.0      |
| Channel           |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3475.02               | 3500.01                  | 3525                   | (dBm)               | (dB)     |
| 50                | QPSK       | 1       | 1         | 19.51                 | 19.45                    | 19.64                  | 20.7                | 0.0      |
| Channel           |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3470.01               | 3500.01                  | 3530.01                | (dBm)               | (dB)     |
| 40                | QPSK       | 1       | 1         | 19.64                 | 19.41                    | 19.55                  | 20.7                | 0.0      |
| Channel           |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3465                  | 3500.01                  | 3535.02                | (dBm)               | (dB)     |
| 30                | QPSK       | 1       | 1         | 19.56                 | 19.59                    | 19.55                  | 20.7                | 0.0      |
| Channel           |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3460.02               | 3500.01                  | 3540                   | (dBm)               | (dB)     |
| 20                | QPSK       | 1       | 1         | 19.56                 | 19.62                    | 19.55                  | 20.7                | 0.0      |
| Channel           |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3457.5                | 3500.01                  | 3542.52                | (dBm)               | (dB)     |
| 15                | QPSK       | 1       | 1         | 19.63                 | 19.40                    | 19.48                  | 20.7                | 0.0      |
| Channel           |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit       | MPR      |
| Frequency (MHz)   |            |         |           | 3455.01               | 3500.01                  | 3545.01                | (dBm)               | (dB)     |
| 10                | QPSK       | 1       | 1         | 19.59                 | 19.61                    | 19.61                  | 20.7                | 0.0      |

| Full & Default Other_Path |            |         |           |                      |                         |                       |                     |          |  |
|---------------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--|
| n7 Ant 1                  |            |         |           |                      |                         |                       |                     |          |  |
| BW [MHz]                  | Modulation | RB Size | RB Offset | Power Low Ch./ Freq. | Power Middle Ch./ Freq. | Power High Ch./ Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           | 504000               | 507000                  | 510000                |                     |          |  |
| Frequency (MHz)           |            |         |           | 2630                 | 2635                    | 2640                  |                     |          |  |
| 40                        | PI2 BPSK   | 1       | 1         | 23.38                | 23.28                   | 23.13                 | 24.0                | 0.0      |  |
| 40                        | PI2 BPSK   | 1       | 135       | 23.38                | 23.26                   | 23.05                 |                     |          |  |
| 40                        | PI2 BPSK   | 1       | 268       | 23.00                | 23.21                   | 23.12                 |                     |          |  |
| 40                        | PI2 BPSK   | 135     | 0         | 22.37                | 22.56                   | 22.52                 | 23.5                | 0.5      |  |
| 40                        | PI2 BPSK   | 135     | 68        | 23.01                | 23.32                   | 23.21                 | 24.0                | 0.0      |  |
| 40                        | PI2 BPSK   | 135     | 135       | 22.35                | 22.86                   | 22.83                 | 23.5                | 0.5      |  |
| 40                        | PI2 BPSK   | 270     | 0         | 22.59                | 22.82                   | 22.40                 |                     |          |  |
| 40                        | QPSK       | 1       | 1         | 23.30                | 23.45                   | 23.19                 |                     |          |  |
| 40                        | QPSK       | 1       | 135       | 23.16                | 23.11                   | 23.22                 | 24.0                | 0.0      |  |
| 40                        | QPSK       | 1       | 268       | 23.13                | 23.19                   | 23.02                 | 23.0                | 1.0      |  |
| 40                        | QPSK       | 135     | 0         | 22.07                | 22.39                   | 22.05                 |                     |          |  |
| 40                        | QPSK       | 135     | 68        | 22.88                | 23.23                   | 22.98                 |                     |          |  |
| 40                        | QPSK       | 135     | 135       | 21.97                | 22.09                   | 22.31                 | 23.0                | 1.0      |  |
| 40                        | QPSK       | 270     | 0         | 22.20                | 22.26                   | 22.09                 |                     |          |  |
| 40                        | 16QAM      | 1       | 1         | 22.41                | 22.17                   | 22.20                 | 23.0                | 1.0      |  |
| 40                        | 64QAM      | 1       | 1         | 20.85                | 20.77                   | 20.87                 | 21.5                | 2.5      |  |
| 40                        | 256QAM     | 1       | 1         | 18.69                | 18.75                   | 18.59                 | 19.5                | 4.5      |  |
| Channel                   |            |         |           | 503000               | 507000                  | 511000                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 2615                 | 2635                    | 2655                  |                     |          |  |
| 30                        | QPSK       | 1       | 1         | 23.34                | 23.30                   | 23.09                 | 24.0                | 0.0      |  |
| Channel                   |            |         |           | 502500               | 507000                  | 511500                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 2612.5               | 2635                    | 2657.5                |                     |          |  |
| 25                        | QPSK       | 1       | 1         | 23.27                | 23.27                   | 23.16                 | 24.0                | 0.0      |  |
| Channel                   |            |         |           | 502000               | 507000                  | 512000                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 2610                 | 2635                    | 2660                  |                     |          |  |
| 20                        | PI2 BPSK   | 1       | 1         | 23.33                | 23.30                   | 23.15                 | 24.0                | 0.0      |  |
| Channel                   |            |         |           | 501500               | 507000                  | 512500                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 2607.5               | 2635                    | 2662.5                |                     |          |  |
| 15                        | QPSK       | 1       | 1         | 23.42                | 23.19                   | 23.23                 | #REF!               | 0.0      |  |
| Channel                   |            |         |           | 501000               | 507000                  | 513000                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 2605                 | 2635                    | 2665                  |                     |          |  |
| 10                        | QPSK       | 1       | 1         | 23.33                | 23.35                   | 23.05                 | 24.0                | 0.0      |  |
| Channel                   |            |         |           | 500500               | 507000                  | 513500                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 2602.5               | 2635                    | 2667.5                |                     |          |  |
| 5                         | QPSK       | 1       | 1         | 23.44                | 23.16                   | 23.10                 | 24.0                | 0.0      |  |

| n7 Ant 4        |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 22.83                 | 23.06                    | 22.71                  | 24.0                | 0.0      |  |
| 40              | PI2 BPSK   | 1       | 135       | 22.80                 | 22.87                    | 22.81                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 268       | 22.81                 | 22.97                    | 22.90                  | 23.5                | 0.5      |  |
| 40              | PI2 BPSK   | 135     | 0         | 22.33                 | 22.21                    | 22.20                  |                     |          |  |
| 40              | PI2 BPSK   | 135     | 68        | 22.82                 | 23.14                    | 22.85                  | 24.0                | 0.0      |  |
| 40              | PI2 BPSK   | 135     | 135       | 22.21                 | 22.32                    | 22.31                  |                     |          |  |
| 40              | PI2 BPSK   | 270     | 0         | 22.55                 | 22.34                    | 21.93                  | 23.5                | 0.5      |  |
| 40              | QPSK       | 1       | 1         | 22.85                 | 23.20                    | 22.94                  |                     |          |  |
| 40              | QPSK       | 1       | 135       | 22.80                 | 22.83                    | 23.08                  | 24.0                | 0.0      |  |
| 40              | QPSK       | 1       | 268       | 22.81                 | 23.05                    | 22.82                  |                     |          |  |
| 40              | QPSK       | 135     | 0         | 21.95                 | 22.01                    | 21.97                  | 23.0                | 1.0      |  |
| 40              | QPSK       | 135     | 68        | 22.81                 | 23.03                    | 22.97                  |                     |          |  |
| 40              | QPSK       | 135     | 135       | 21.77                 | 21.72                    | 21.74                  | 23.0                | 1.0      |  |
| 40              | QPSK       | 270     | 0         | 21.80                 | 21.97                    | 21.81                  |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 21.95                 | 22.16                    | 22.07                  | 23.0                | 1.0      |  |
| 40              | 64QAM      | 1       | 1         | 20.37                 | 20.75                    | 20.68                  |                     | 2.5      |  |
| 40              | 256QAM     | 1       | 1         | 18.27                 | 18.58                    | 18.29                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 23.00                 | 22.98                    | 22.85                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 502600                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |  |
| 25              | QPSK       | 1       | 1         | 22.85                 | 23.15                    | 22.77                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.85                 | 22.98                    | 22.83                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 501600                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.97                 | 23.10                    | 22.84                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.87                 | 23.12                    | 22.99                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 22.83                 | 23.01                    | 22.83                  | 24.0                | 0.0      |  |

| Part27Q n78 Ant 5 |            |         |           |                       |                          |                        |                     |          |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel           |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |
| 90                | QPSK       | 1       | 1         | 23.01                 | 23.21                    | 23.04                  | 24.0                | 0.0      |
| Channel           |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |
| 80                | QPSK       | 1       | 1         | 23.06                 | 23.17                    | 23.21                  | 24.0                | 0.0      |
| Channel           |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |
| 70                | QPSK       | 1       | 1         | 23.20                 | 23.29                    | 23.05                  | 24.0                | 0.0      |
| Channel           |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |
| 60                | QPSK       | 1       | 1         | 23.10                 | 23.26                    | 23.05                  | 24.0                | 0.0      |
| Channel           |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |
| 50                | QPSK       | 1       | 1         | 23.20                 | 23.15                    | 23.17                  | 24.0                | 0.0      |
| Channel           |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |
| 40                | QPSK       | 1       | 1         | 23.00                 | 23.33                    | 23.18                  | 24.0                | 0.0      |
| Channel           |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |
| 30                | QPSK       | 1       | 1         | 23.19                 | 23.28                    | 23.23                  | 24.0                | 0.0      |
| Channel           |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |
| 20                | QPSK       | 1       | 1         | 23.00                 | 23.28                    | 23.23                  | 24.0                | 0.0      |
| Channel           |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |
| 15                | QPSK       | 1       | 1         | 23.00                 | 23.34                    | 23.09                  | 24.0                | 0.0      |
| Channel           |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |
| 10                | QPSK       | 1       | 1         | 22.99                 | 23.29                    | 23.19                  | 24.0                | 0.0      |

| Reduced Power Mode for DS12 Other_Path |            |         |           |                          |                             |                           |                        |             |  |
|----------------------------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| n7 Ant 1                               |            |         |           |                          |                             |                           |                        |             |  |
| BW [MHz]                               | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                                |            |         |           | 504000                   | 507000                      | 510000                    |                        |             |  |
| Frequency (MHz)                        |            |         |           | 2620                     | 2635                        | 2650                      |                        |             |  |
| 40                                     | PI2 BPSK   | 1       | 1         | 23.36                    | 23.28                       | 23.13                     | 24.0                   | 0.0         |  |
| 40                                     | PI2 BPSK   | 1       | 135       | 23.38                    | 23.26                       | 23.05                     |                        |             |  |
| 40                                     | PI2 BPSK   | 1       | 268       | 23.00                    | 23.21                       | 23.12                     |                        |             |  |
| 40                                     | PI2 BPSK   | 135     | 0         | 22.37                    | 22.56                       | 22.52                     | 23.5                   | 0.5         |  |
| 40                                     | PI2 BPSK   | 135     | 68        | 23.01                    | 23.32                       | 23.21                     | 24.0                   | 0.0         |  |
| 40                                     | PI2 BPSK   | 135     | 135       | 22.35                    | 22.86                       | 22.83                     | 23.5                   | 0.5         |  |
| 40                                     | PI2 BPSK   | 270     | 0         | 22.59                    | 22.82                       | 22.40                     |                        |             |  |
| 40                                     | QPSK       | 1       | 1         | 23.30                    | 23.45                       | 23.19                     |                        |             |  |
| 40                                     | QPSK       | 1       | 135       | 23.16                    | 23.11                       | 23.22                     | 24.0                   | 0.0         |  |
| 40                                     | QPSK       | 1       | 268       | 23.13                    | 23.19                       | 23.02                     | 23.0                   | 1.0         |  |
| 40                                     | QPSK       | 135     | 0         | 22.07                    | 22.39                       | 22.05                     |                        |             |  |
| 40                                     | QPSK       | 135     | 68        | 22.88                    | 23.23                       | 22.98                     |                        |             |  |
| 40                                     | QPSK       | 135     | 135       | 21.97                    | 22.09                       | 22.31                     | 23.0                   | 1.0         |  |
| 40                                     | QPSK       | 270     | 0         | 22.20                    | 22.26                       | 22.09                     |                        |             |  |
| 40                                     | 16QAM      | 1       | 1         | 22.41                    | 22.17                       | 22.20                     | 23.0                   | 1.0         |  |
| 40                                     | 64QAM      | 1       | 1         | 20.85                    | 20.77                       | 20.87                     | 21.5                   | 2.5         |  |
| 40                                     | 256QAM     | 1       | 1         | 18.69                    | 18.75                       | 18.59                     | 19.5                   | 4.5         |  |
| Channel                                |            |         |           | 503000                   | 507000                      | 511000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)                        |            |         |           | 2615                     | 2635                        | 2655                      |                        |             |  |
| 30                                     | QPSK       | 1       | 1         | 23.34                    | 23.30                       | 23.09                     | 24.0                   | 0.0         |  |
| Channel                                |            |         |           | 502500                   | 507000                      | 511500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)                        |            |         |           | 2612.5                   | 2635                        | 2657.5                    |                        |             |  |
| 25                                     | QPSK       | 1       | 1         | 23.27                    | 23.27                       | 23.16                     | 24.0                   | 0.0         |  |
| Channel                                |            |         |           | 502000                   | 507000                      | 512000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)                        |            |         |           | 2610                     | 2635                        | 2660                      |                        |             |  |
| 20                                     | PI2 BPSK   | 1       | 1         | 23.33                    | 23.30                       | 23.15                     | 24.0                   | 0.0         |  |
| Channel                                |            |         |           | 501500                   | 507000                      | 512500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)                        |            |         |           | 2607.5                   | 2635                        | 2662.5                    |                        |             |  |
| 15                                     | QPSK       | 1       | 1         | 23.42                    | 23.19                       | 23.23                     | #REF!                  | 0.0         |  |
| Channel                                |            |         |           | 501000                   | 507000                      | 513000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)                        |            |         |           | 2605                     | 2635                        | 2665                      |                        |             |  |
| 10                                     | QPSK       | 1       | 1         | 23.33                    | 23.35                       | 23.05                     | 24.0                   | 0.0         |  |
| Channel                                |            |         |           | 500500                   | 507000                      | 513500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)                        |            |         |           | 2602.5                   | 2635                        | 2667.5                    |                        |             |  |
| 5                                      | QPSK       | 1       | 1         | 23.44                    | 23.16                       | 23.10                     | 24.0                   | 0.0         |  |

| n7 Ant 4        |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 | 18.8                | 0.0      |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |
| 40              | PI2 BPSK   | 1       | 1         | 18.04                 | 18.01                    | 18.00                  |                     |          |
| 40              | PI2 BPSK   | 1       | 135       | 17.87                 | 18.11                    | 17.81                  |                     |          |
| 40              | PI2 BPSK   | 1       | 268       | 18.08                 | 18.16                    | 17.96                  | 18.8                | 0.0      |
| 40              | PI2 BPSK   | 135     | 0         | 17.98                 | 18.09                    | 18.00                  |                     |          |
| 40              | PI2 BPSK   | 135     | 68        | 18.06                 | 18.11                    | 17.89                  |                     |          |
| 40              | PI2 BPSK   | 135     | 135       | 18.02                 | 18.09                    | 17.81                  |                     |          |
| 40              | PI2 BPSK   | 270     | 0         | 18.07                 | 18.03                    | 17.93                  | 18.8                | 0.0      |
| 40              | QPSK       | 1       | 1         | 18.13                 | 18.20                    | 18.08                  |                     |          |
| 40              | QPSK       | 1       | 135       | 18.05                 | 18.19                    | 17.90                  |                     |          |
| 40              | QPSK       | 1       | 268       | 18.03                 | 18.02                    | 17.94                  |                     |          |
| 40              | QPSK       | 135     | 0         | 18.12                 | 18.14                    | 18.10                  | 18.8                | 0.0      |
| 40              | QPSK       | 135     | 68        | 17.95                 | 18.19                    | 17.82                  |                     |          |
| 40              | QPSK       | 135     | 135       | 18.07                 | 18.12                    | 17.84                  |                     |          |
| 40              | QPSK       | 270     | 0         | 18.04                 | 18.16                    | 17.88                  |                     |          |
| 40              | 16QAM      | 1       | 1         | 17.99                 | 18.13                    | 17.89                  | 18.8                | 0.0      |
| 40              | 64QAM      | 1       | 1         | 17.99                 | 18.10                    | 17.88                  |                     |          |
| 40              | 256QAM     | 1       | 1         | 18.05                 | 17.97                    | 17.96                  |                     |          |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   | 18.8                | 0.0      |
| 30              | QPSK       | 1       | 1         | 17.86                 | 18.00                    | 18.02                  |                     |          |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 | 18.8                | 0.0      |
| 25              | QPSK       | 1       | 1         | 17.88                 | 18.02                    | 18.03                  |                     |          |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   | 18.8                | 0.0      |
| 20              | PI2 BPSK   | 1       | 1         | 17.86                 | 18.06                    | 17.93                  |                     |          |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | 18.8                | 0.0      |
| 15              | QPSK       | 1       | 1         | 17.98                 | 17.95                    | 18.02                  |                     |          |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | 18.8                | 0.0      |
| 10              | QPSK       | 1       | 1         | 17.86                 | 17.95                    | 17.97                  |                     |          |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 | 18.8                | 0.0      |
| 5               | QPSK       | 1       | 1         | 17.99                 | 17.95                    | 18.01                  |                     |          |

| Part27Q n78 Ant 5 |            |         |           |                         |                            |                          |                        |             |
|-------------------|------------|---------|-----------|-------------------------|----------------------------|--------------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low<br>Ch./ Freq. | Power Middle<br>Ch./ Freq. | Power High<br>Ch./ Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 633334                  |                            |                          | 16.5                   | 0.0         |
| Frequency (MHz)   |            |         |           | 3500.01                 |                            |                          |                        |             |
| 100               | PI/2 BPSK  | 1       | 1         |                         | 15.24                      |                          |                        |             |
| 100               | PI/2 BPSK  | 1       | 137       |                         | 15.25                      |                          |                        |             |
| 100               | PI/2 BPSK  | 1       | 271       |                         | 15.22                      |                          |                        |             |
| 100               | PI/2 BPSK  | 135     | 0         |                         | 15.28                      |                          | 16.5                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 69        |                         | 15.26                      |                          | 16.5                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 138       |                         | 15.31                      |                          |                        |             |
| 100               | PI/2 BPSK  | 270     | 0         |                         | 15.25                      |                          | 16.5                   | 0.0         |
| 100               | QPSK       | 1       | 1         |                         | 15.36                      |                          |                        |             |
| 100               | QPSK       | 1       | 137       |                         | 15.28                      |                          | 16.5                   | 0.0         |
| 100               | QPSK       | 1       | 271       |                         | 15.29                      |                          |                        |             |
| 100               | QPSK       | 135     | 0         |                         | 15.30                      |                          | 16.5                   | 0.0         |
| 100               | QPSK       | 135     | 69        |                         | 15.33                      |                          | 16.5                   | 0.0         |
| 100               | QPSK       | 135     | 138       |                         | 15.31                      |                          |                        |             |
| 100               | QPSK       | 270     | 0         |                         | 15.30                      |                          | 16.5                   | 0.0         |
| 100               | 16QAM      | 1       | 1         |                         | 15.28                      |                          | 16.5                   | 0.0         |
| 100               | 64QAM      | 1       | 1         |                         | 15.29                      |                          | 16.5                   | 0.0         |
| 100               | 256QAM     | 1       | 1         |                         | 15.33                      |                          | 16.5                   | 0.0         |
| Channel           |            |         |           | 633000                  | 633334                     | 633668                   | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3495                    | 3500.01                    | 3505.02                  | (dBm)                  | (dB)        |
| 90                | QPSK       | 1       | 1         | 15.21                   | 15.26                      | 15.23                    | 16.5                   | 0.0         |
| Channel           |            |         |           | 632668                  | 633334                     | 634000                   | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3490.02                 | 3500.01                    | 3510                     | (dBm)                  | (dB)        |
| 80                | QPSK       | 1       | 1         | 15.18                   | 15.24                      | 15.26                    | 16.5                   | 0.0         |
| Channel           |            |         |           | 632334                  | 633334                     | 634334                   | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3485.01                 | 3500.01                    | 3515.01                  | (dBm)                  | (dB)        |
| 70                | QPSK       | 1       | 1         | 15.19                   | 15.23                      | 15.24                    | 16.5                   | 0.0         |
| Channel           |            |         |           | 632000                  | 633334                     | 634668                   | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3480                    | 3500.01                    | 3520.02                  | (dBm)                  | (dB)        |
| 60                | QPSK       | 1       | 1         | 15.22                   | 15.23                      | 15.18                    | 16.5                   | 0.0         |
| Channel           |            |         |           | 631668                  | 633334                     | 635000                   | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3475.02                 | 3500.01                    | 3525                     | (dBm)                  | (dB)        |
| 50                | QPSK       | 1       | 1         | 15.14                   | 15.14                      | 15.12                    | 16.5                   | 0.0         |
| Channel           |            |         |           | 631334                  | 633334                     | 635334                   | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3470.01                 | 3500.01                    | 3530.01                  | (dBm)                  | (dB)        |
| 40                | QPSK       | 1       | 1         | 15.24                   | 15.26                      | 15.25                    | 16.5                   | 0.0         |
| Channel           |            |         |           | 631000                  | 633334                     | 635668                   | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3465                    | 3500.01                    | 3535.02                  | (dBm)                  | (dB)        |
| 30                | QPSK       | 1       | 1         | 15.15                   | 15.20                      | 15.23                    | 16.5                   | 0.0         |
| Channel           |            |         |           | 630668                  | 633334                     | 636000                   | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3460.02                 | 3500.01                    | 3540                     | (dBm)                  | (dB)        |
| 20                | QPSK       | 1       | 1         | 15.18                   | 15.24                      | 15.23                    | 16.5                   | 0.0         |
| Channel           |            |         |           | 630500                  | 633334                     | 636168                   | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3457.5                  | 3500.01                    | 3542.52                  | (dBm)                  | (dB)        |
| 15                | QPSK       | 1       | 1         | 15.19                   | 15.18                      | 15.20                    | 16.5                   | 0.0         |
| Channel           |            |         |           | 630334                  | 633334                     | 636334                   | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3455.01                 | 3500.01                    | 3545.01                  | (dBm)                  | (dB)        |
| 10                | QPSK       | 1       | 1         | 15.17                   | 15.21                      | 15.16                    | 16.5                   | 0.0         |

| Reduced Power Mode for DS13 Other_Path |            |         |           |                                                                                                                                                                       |                                      |                                    |                        |             |  |
|----------------------------------------|------------|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------|------------------------|-------------|--|
| n7 Ant 1                               |            |         |           |                                                                                                                                                                       |                                      |                                    |                        |             |  |
| BW [MHz]                               | Modulation | RB Size | RB Offset | Power Low<br>Ch./ Freq.<br>504000                                                                                                                                     | Power Middle<br>Ch./ Freq.<br>507000 | Power High<br>Ch./ Freq.<br>510000 | Tune-up limit<br>(dbm) | MPR<br>(db) |  |
| Channel                                |            |         |           | 2650                                                                                                                                                                  | 2635                                 | 2650                               |                        |             |  |
| Frequency (MHz)                        |            |         |           |                                                                                                                                                                       |                                      |                                    |                        |             |  |
| 40                                     | PI2 BPSK   | 1       | 1         | 22.06                                                                                                                                                                 | 22.16                                | 22.09                              | 23.5                   | 0.0         |  |
| 40                                     | PI2 BPSK   | 1       | 135       | 22.07                                                                                                                                                                 | 22.16                                | 21.98                              |                        |             |  |
| 40                                     | PI2 BPSK   | 1       | 268       | 22.10                                                                                                                                                                 | 22.29                                | 22.09                              |                        |             |  |
| 40                                     | PI2 BPSK   | 135     | 0         | 22.00                                                                                                                                                                 | 22.28                                | 22.08                              | 23.5                   | 0.0         |  |
| 40                                     | PI2 BPSK   | 135     | 68        | 22.03                                                                                                                                                                 | 22.28                                | 22.03                              | 23.5                   | 0.0         |  |
| 40                                     | PI2 BPSK   | 135     | 135       | 21.98                                                                                                                                                                 | 22.33                                | 21.99                              | 23.5                   | 0.0         |  |
| 40                                     | PI2 BPSK   | 270     | 0         | 22.14                                                                                                                                                                 | 22.22                                | 21.92                              |                        |             |  |
| 40                                     | QPSK       | 1       | 1         | 22.19                                                                                                                                                                 | 22.35                                | 22.09                              |                        |             |  |
| 40                                     | QPSK       | 1       | 135       | 22.12                                                                                                                                                                 | 22.30                                | 22.03                              | 23.5                   | 0.0         |  |
| 40                                     | QPSK       | 1       | 268       | 22.20                                                                                                                                                                 | 22.26                                | 22.02                              | 23.0                   | 0.5         |  |
| 40                                     | QPSK       | 135     | 0         | 22.19                                                                                                                                                                 | 22.16                                | 22.02                              |                        |             |  |
| 40                                     | QPSK       | 135     | 68        | 21.98                                                                                                                                                                 | 22.22                                | 21.92                              |                        |             |  |
| 40                                     | QPSK       | 135     | 135       | 22.19                                                                                                                                                                 | 22.14                                | 22.10                              | 23.0                   | 0.5         |  |
| 40                                     | QPSK       | 270     | 0         | 22.03                                                                                                                                                                 | 22.16                                | 21.97                              |                        |             |  |
| 40                                     | 16QAM      | 1       | 1         | 22.15                                                                                                                                                                 | 22.31                                | 21.96                              | 23.0                   | 0.5         |  |
| 40                                     | 64QAM      | 1       | 1         | 20.85                                                                                                                                                                 | 20.77                                | 20.87                              | 21.5                   | 2.0         |  |
| 40                                     | 256QAM     | 1       | 1         | 18.69                                                                                                                                                                 | 18.75                                | 18.59                              | 19.5                   | 4.0         |  |
| Channel                                |            |         |           | 503000                                                                                                                                                                | 507000                               | 511000                             | Tune-up limit<br>(dbm) | MPR<br>(db) |  |
| Frequency (MHz)                        |            |         |           | 2615                                                                                                                                                                  | 2635                                 | 2655                               |                        |             |  |
| 30                                     | QPSK       | 1       | 1         | 22.08                                                                                                                                                                 | 22.32                                | 21.93                              | 23.5                   | 0.0         |  |
| Channel                                |            |         |           | 502500                                                                                                                                                                | 507000                               | 511500                             | Tune-up limit<br>(dbm) | MPR<br>(db) |  |
| Frequency (MHz)                        |            |         |           | 2571.5 <td>2633</td> <td>2627.5</td> <td data-kind="parent" data-rs="2">23.5</td> <td data-cs="2" data-kind="parent" data-rs="2">0.0</td> <td data-kind="ghost"></td> | 2633                                 | 2627.5                             | 23.5                   | 0.0         |  |
| 25                                     | QPSK       | 1       | 1         | 22.12                                                                                                                                                                 | 22.19                                | 22.07                              |                        |             |  |
| Channel                                |            |         |           | 502000                                                                                                                                                                | 507000                               | 512000                             | Tune-up limit<br>(dbm) | MPR<br>(db) |  |
| Frequency (MHz)                        |            |         |           | 2610                                                                                                                                                                  | 2635                                 | 2660                               |                        |             |  |
| 20                                     | PI2 BPSK   | 1       | 1         | 22.13                                                                                                                                                                 | 22.16                                | 22.02                              | 23.5                   | 0.0         |  |
| Channel                                |            |         |           | 501500                                                                                                                                                                | 507000                               | 512500                             | Tune-up limit<br>(dbm) | MPR<br>(db) |  |
| Frequency (MHz)                        |            |         |           | 2507.5 <td>2635</td> <td>2623.5</td> <td data-kind="parent" data-rs="2"></td> <td data-cs="2" data-kind="parent" data-rs="2"></td> <td data-kind="ghost"></td>        | 2635                                 | 2623.5                             |                        |             |  |
| 15                                     | QPSK       | 1       | 1         | 22.00                                                                                                                                                                 | 22.34                                | 22.02                              |                        |             |  |
| Channel                                |            |         |           | 501000                                                                                                                                                                | 507000                               | 513000                             | Tune-up limit<br>(dbm) | MPR<br>(db) |  |
| Frequency (MHz)                        |            |         |           | 2505 <td>2635</td> <td>2565</td> <td data-kind="parent" data-rs="2"></td> <td data-cs="2" data-kind="parent" data-rs="2"></td> <td data-kind="ghost"></td>            | 2635                                 | 2565                               |                        |             |  |
| 10                                     | QPSK       | 1       | 1         | 22.08                                                                                                                                                                 | 22.30                                | 21.93                              |                        |             |  |
| Channel                                |            |         |           | 500500                                                                                                                                                                | 507000                               | 513500                             | Tune-up limit<br>(dbm) | MPR<br>(db) |  |
| Frequency (MHz)                        |            |         |           | 2502.5 <td>2635</td> <td>2567.5</td> <td data-kind="parent" data-rs="2"></td> <td data-cs="2" data-kind="parent" data-rs="2"></td> <td data-kind="ghost"></td>        | 2635                                 | 2567.5                             |                        |             |  |
| 5                                      | QPSK       | 1       | 1         | 22.07                                                                                                                                                                 | 22.29                                | 22.03                              |                        |             |  |

| n7 Ant 4        |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 |                     |          |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |
| 40              | PI2 BPSK   | 1       | 1         | 15.29                 | 15.09                    | 15.19                  | 16.8                | 0.0      |
| 40              | PI2 BPSK   | 1       | 135       | 15.34                 | 15.37                    | 15.67                  |                     |          |
| 40              | PI2 BPSK   | 1       | 268       | 15.00                 | 15.55                    | 14.96                  | 16.8                | 0.0      |
| 40              | PI2 BPSK   | 135     | 0         | 15.34                 | 15.07                    | 15.22                  |                     |          |
| 40              | PI2 BPSK   | 135     | 68        | 15.40                 | 15.29                    | 15.64                  | 16.8                | 0.0      |
| 40              | PI2 BPSK   | 135     | 135       | 14.82                 | 15.43                    | 15.07                  | 16.8                | 0.0      |
| 40              | PI2 BPSK   | 270     | 0         | 15.24                 | 15.55                    | 15.32                  | 16.8                | 0.0      |
| 40              | QPSK       | 1       | 1         | 15.33                 | 15.75                    | 15.34                  |                     |          |
| 40              | QPSK       | 1       | 135       | 15.45                 | 15.43                    | 15.65                  | 16.8                | 0.0      |
| 40              | QPSK       | 1       | 268       | 15.08                 | 15.60                    | 15.06                  |                     |          |
| 40              | QPSK       | 135     | 0         | 15.20                 | 15.38                    | 15.15                  | 16.8                | 0.0      |
| 40              | QPSK       | 135     | 68        | 15.40                 | 15.63                    | 15.56                  | 16.8                | 0.0      |
| 40              | QPSK       | 135     | 135       | 14.91                 | 15.58                    | 15.03                  | 16.8                | 0.0      |
| 40              | QPSK       | 270     | 0         | 15.29                 | 15.55                    | 15.25                  |                     |          |
| 40              | 16QAM      | 1       | 1         | 15.36                 | 15.42                    | 15.53                  | 16.8                | 0.0      |
| 40              | 64QAM      | 1       | 1         | 15.01                 | 15.52                    | 14.94                  | 16.8                | 0.0      |
| 40              | 256QAM     | 1       | 1         | 15.23                 | 15.57                    | 15.12                  | 16.8                | 0.0      |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |
| 30              | QPSK       | 1       | 1         | 15.13                 | 15.66                    | 15.22                  | 16.8                | 0.0      |
| Channel         |            |         |           | 502600                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 15.22                 | 15.71                    | 15.14                  | 16.8                | 0.0      |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 15.16                 | 15.53                    | 15.32                  | 16.8                | 0.0      |
| Channel         |            |         |           | 501600                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 15.29                 | 15.63                    | 15.25                  | 16.8                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 15.23                 | 15.61                    | 15.20                  | 16.8                | 0.0      |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 15.32                 | 15.54                    | 15.32                  | 16.8                | 0.0      |

| Part27Q n78 Ant 5 |            |         |           |                             |                                |                              |                        |             |
|-------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           |                             | 633334                         |                              |                        |             |
| Frequency (MHz)   |            |         |           |                             | 3500.01                        |                              |                        |             |
| 100               | PI/2 BPSK  | 1       | 1         |                             | 15.34                          |                              |                        |             |
| 100               | PI/2 BPSK  | 1       | 137       |                             | 15.29                          |                              | 16.5                   | 0.0         |
| 100               | PI/2 BPSK  | 1       | 271       |                             | 15.27                          |                              |                        |             |
| 100               | PI/2 BPSK  | 135     | 0         |                             | 15.40                          |                              | 16.5                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 69        |                             | 15.39                          |                              | 16.5                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 138       |                             | 15.27                          |                              | 16.5                   | 0.0         |
| 100               | PI/2 BPSK  | 270     | 0         |                             | 15.26                          |                              |                        |             |
| 100               | QPSK       | 1       | 1         |                             | 15.48                          |                              |                        |             |
| 100               | QPSK       | 1       | 137       |                             | 15.34                          |                              | 16.5                   | 0.0         |
| 100               | QPSK       | 1       | 271       |                             | 15.32                          |                              |                        |             |
| 100               | QPSK       | 135     | 0         |                             | 15.41                          |                              | 16.5                   | 0.0         |
| 100               | QPSK       | 135     | 69        |                             | 15.44                          |                              | 16.5                   | 0.0         |
| 100               | QPSK       | 135     | 138       |                             | 15.43                          |                              | 16.5                   | 0.0         |
| 100               | QPSK       | 270     | 0         |                             | 15.20                          |                              |                        |             |
| 100               | 16QAM      | 1       | 1         |                             | 15.33                          |                              | 16.5                   | 0.0         |
| 100               | 64QAM      | 1       | 1         |                             | 15.39                          |                              | 16.5                   | 0.0         |
| 100               | 256QAM     | 1       | 1         |                             | 15.42                          |                              | 16.5                   | 0.0         |
| Channel           |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3495                        | 3500.01                        | 3505.02                      |                        |             |
| 90                | QPSK       | 1       | 1         | 15.39                       | 15.35                          | 15.32                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 632668                      | 633334                         | 634000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3490.02                     | 3500.01                        | 3510                         |                        |             |
| 80                | QPSK       | 1       | 1         | 15.29                       | 15.46                          | 15.35                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 632334                      | 633334                         | 634334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3485.01                     | 3500.01                        | 3515.01                      |                        |             |
| 70                | QPSK       | 1       | 1         | 15.32                       | 15.46                          | 15.44                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 632000                      | 633334                         | 634668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3480                        | 3500.01                        | 3520.02                      |                        |             |
| 60                | QPSK       | 1       | 1         | 15.47                       | 15.41                          | 15.39                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 631668                      | 633334                         | 635000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3475.02                     | 3500.01                        | 3525                         |                        |             |
| 50                | QPSK       | 1       | 1         | 15.30                       | 15.43                          | 15.36                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      |                        |             |
| 40                | QPSK       | 1       | 1         | 15.47                       | 15.41                          | 15.44                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 631000                      | 633334                         | 635668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3465                        | 3500.01                        | 3535.02                      |                        |             |
| 30                | QPSK       | 1       | 1         | 15.30                       | 15.44                          | 15.26                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 630668                      | 633334                         | 636000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3460.02                     | 3500.01                        | 3540                         |                        |             |
| 20                | QPSK       | 1       | 1         | 15.36                       | 15.27                          | 15.40                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 630500                      | 633334                         | 636168                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3457.5                      | 3500.01                        | 3542.52                      |                        |             |
| 15                | QPSK       | 1       | 1         | 15.37                       | 15.44                          | 15.36                        | 16.5                   | 0.0         |
| Channel           |            |         |           | 630334                      | 633334                         | 636334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3455.01                     | 3500.01                        | 3545.01                      |                        |             |
| 10                | QPSK       | 1       | 1         | 15.33                       | 15.40                          | 15.41                        | 16.5                   | 0.0         |

| Reduced Power Mode for DS16 Other_Path |            |         |           |                                                                                                                                       |                                      |                                    |                        |             |  |
|----------------------------------------|------------|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------|------------------------|-------------|--|
| n7 Ant 1                               |            |         |           |                                                                                                                                       |                                      |                                    |                        |             |  |
| BW [MHz]                               | Modulation | RB Size | RB Offset | Power Low<br>Ch./ Freq.<br>504000                                                                                                     | Power Middle<br>Ch./ Freq.<br>507000 | Power High<br>Ch./ Freq.<br>510000 | Tune-up limit<br>(dbm) | MPR<br>(db) |  |
| Channel                                |            |         |           | 2650                                                                                                                                  | 2635                                 | 2650                               |                        |             |  |
| Frequency (MHz)                        |            |         |           |                                                                                                                                       |                                      |                                    |                        |             |  |
| 40                                     | PV2 BPSK   | 1       | 1         | 21.40                                                                                                                                 | 21.34                                | 21.30                              | 22.5                   | 0.0         |  |
| 40                                     | PV2 BPSK   | 1       | 135       | 21.30                                                                                                                                 | 21.39                                | 21.28                              |                        |             |  |
| 40                                     | PV2 BPSK   | 1       | 268       | 21.29                                                                                                                                 | 21.33                                | 21.40                              |                        |             |  |
| 40                                     | PV2 BPSK   | 135     | 0         | 21.37                                                                                                                                 | 21.33                                | 21.38                              | 22.5                   | 0.0         |  |
| 40                                     | PV2 BPSK   | 135     | 68        | 21.29                                                                                                                                 | 21.39                                | 21.29                              | 22.5                   | 0.0         |  |
| 40                                     | PV2 BPSK   | 135     | 135       | 21.35                                                                                                                                 | 21.37                                | 21.35                              | 22.5                   | 0.0         |  |
| 40                                     | PV2 BPSK   | 270     | 0         | 21.33                                                                                                                                 | 21.37                                | 21.33                              | 22.5                   | 0.0         |  |
| 40                                     | QPSK       | 1       | 1         | 21.31                                                                                                                                 | 21.45                                | 21.38                              |                        |             |  |
| 40                                     | QPSK       | 1       | 135       | 21.29                                                                                                                                 | 21.40                                | 21.37                              |                        |             |  |
| 40                                     | QPSK       | 1       | 268       | 21.39                                                                                                                                 | 21.32                                | 21.36                              | 22.5                   | 0.0         |  |
| 40                                     | QPSK       | 135     | 0         | 21.39                                                                                                                                 | 21.42                                | 21.36                              |                        |             |  |
| 40                                     | QPSK       | 135     | 68        | 21.33                                                                                                                                 | 21.43                                | 21.32                              |                        |             |  |
| 40                                     | QPSK       | 135     | 135       | 21.33                                                                                                                                 | 21.40                                | 21.39                              | 22.5                   | 0.0         |  |
| 40                                     | QPSK       | 270     | 0         | 21.41                                                                                                                                 | 21.42                                | 21.40                              | 22.5                   | 0.0         |  |
| 40                                     | 16QAM      | 1       | 1         | 21.34                                                                                                                                 | 21.35                                | 21.41                              |                        |             |  |
| 40                                     | 64QAM      | 1       | 1         | 20.95                                                                                                                                 | 20.77                                | 20.87                              |                        |             |  |
| 40                                     | 256QAM     | 1       | 1         | 18.69                                                                                                                                 | 18.75                                | 18.59                              | 19.5                   | 3.0         |  |
| Channel                                |            |         |           | 503000                                                                                                                                | 507000                               | 511000                             | Tune-up limit<br>(dbm) | MPR<br>(db) |  |
| Frequency (MHz)                        |            |         |           | 2615                                                                                                                                  | 2635                                 | 2655                               |                        |             |  |
| 30                                     | QPSK       | 1       | 1         | 21.32                                                                                                                                 | 21.35                                | 21.26                              | 22.5                   | 0.0         |  |
| Channel                                |            |         |           | 502500                                                                                                                                | 507000                               | 511500                             | Tune-up limit<br>(dbm) | MPR<br>(db) |  |
| Frequency (MHz)                        |            |         |           | 2612.5 <td>2635</td> <td>2627.5</td> <td data-cs="3" data-kind="parent"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> | 2635                                 | 2627.5                             |                        |             |  |
| 25                                     | QPSK       | 1       | 1         | 21.23                                                                                                                                 | 21.25                                | 21.34                              | 22.5                   | 0.0         |  |
| Channel                                |            |         |           | 502000                                                                                                                                | 507000                               | 512000                             | Tune-up limit<br>(dbm) | MPR<br>(db) |  |
| Frequency (MHz)                        |            |         |           | 2610 <td>2635</td> <td>2660</td> <td data-cs="3" data-kind="parent"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>     | 2635                                 | 2660                               |                        |             |  |
| 20                                     | PV2 BPSK   | 1       | 1         | 21.24                                                                                                                                 | 21.37                                | 21.26                              | 22.5                   | 0.0         |  |
| Channel                                |            |         |           | 501500                                                                                                                                | 507000                               | 512500                             | Tune-up limit<br>(dbm) | MPR<br>(db) |  |
| Frequency (MHz)                        |            |         |           | 2507.5 <td>2635</td> <td>2662.5</td> <td data-cs="3" data-kind="parent"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> | 2635                                 | 2662.5                             |                        |             |  |
| 15                                     | QPSK       | 1       | 1         | 21.33                                                                                                                                 | 21.34                                | 21.27                              | #REF!                  | 0.0         |  |
| Channel                                |            |         |           | 501000                                                                                                                                | 507000                               | 513000                             | Tune-up limit<br>(dbm) | MPR<br>(db) |  |
| Frequency (MHz)                        |            |         |           | 2505 <td>2635</td> <td>2665</td> <td data-cs="3" data-kind="parent"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>     | 2635                                 | 2665                               |                        |             |  |
| 10                                     | QPSK       | 1       | 1         | 21.29                                                                                                                                 | 21.30                                | 21.31                              | 22.5                   | 0.0         |  |
| Channel                                |            |         |           | 500500                                                                                                                                | 507000                               | 513500                             | Tune-up limit<br>(dbm) | MPR<br>(db) |  |
| Frequency (MHz)                        |            |         |           | 2502.5 <td>2635</td> <td>2667.5</td> <td data-cs="3" data-kind="parent"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> | 2635                                 | 2667.5                             |                        |             |  |
| 5                                      | QPSK       | 1       | 1         | 21.23                                                                                                                                 | 21.29                                | 21.29                              | 22.5                   | 0.0         |  |

| n7 Ant 4        |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 |                     |          |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |
| 40              | PI2 BPSK   | 1       | 1         | 18.65                 | 18.63                    | 18.61                  | 19.8                | 0.0      |
| 40              | PI2 BPSK   | 1       | 135       | 18.70                 | 18.73                    | 18.74                  |                     |          |
| 40              | PI2 BPSK   | 1       | 268       | 18.81                 | 18.74                    | 18.64                  | 19.8                | 0.0      |
| 40              | PI2 BPSK   | 135     | 0         | 18.84                 | 18.68                    | 18.74                  |                     |          |
| 40              | PI2 BPSK   | 135     | 68        | 18.73                 | 18.68                    | 18.61                  | 19.8                | 0.0      |
| 40              | PI2 BPSK   | 135     | 135       | 18.66                 | 18.67                    | 18.75                  | 19.8                | 0.0      |
| 40              | PI2 BPSK   | 270     | 0         | 18.61                 | 18.65                    | 18.74                  | 19.8                | 0.0      |
| 40              | QPSK       | 1       | 1         | 18.67                 | 18.76                    | 18.63                  |                     |          |
| 40              | QPSK       | 1       | 135       | 18.88                 | 18.73                    | 18.74                  | 19.8                | 0.0      |
| 40              | QPSK       | 1       | 268       | 18.63                 | 18.66                    | 18.71                  |                     |          |
| 40              | QPSK       | 135     | 0         | 18.71                 | 18.67                    | 18.69                  | 19.8                | 0.0      |
| 40              | QPSK       | 135     | 68        | 18.71                 | 18.74                    | 18.68                  | 19.8                | 0.0      |
| 40              | QPSK       | 135     | 135       | 18.88                 | 18.64                    | 18.63                  | 19.8                | 0.0      |
| 40              | QPSK       | 270     | 0         | 18.67                 | 18.73                    | 18.71                  |                     |          |
| 40              | 16QAM      | 1       | 1         | 18.63                 | 18.64                    | 18.70                  | 19.8                | 0.0      |
| 40              | 64QAM      | 1       | 1         | 18.66                 | 18.74                    | 18.69                  | 19.8                | 0.0      |
| 40              | 256QAM     | 1       | 1         | 18.68                 | 18.64                    | 18.74                  | 19.5                | 0.3      |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |
| 30              | QPSK       | 1       | 1         | 18.65                 | 18.63                    | 18.56                  | 19.8                | 0.0      |
| Channel         |            |         |           | 502600                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 18.58                 | 18.71                    | 18.60                  | 19.8                | 0.0      |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 18.68                 | 18.61                    | 18.59                  | 19.8                | 0.0      |
| Channel         |            |         |           | 501600                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 18.65                 | 18.60                    | 18.56                  | 19.8                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 18.64                 | 18.67                    | 18.50                  | 19.8                | 0.0      |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 18.67                 | 18.70                    | 18.62                  | 19.8                | 0.0      |

| Part27Q n78 Ant 5 |            |         |           |                        |                           |                         |                        |             |
|-------------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low<br>Ch./Freq. | Power Middle<br>Ch./Freq. | Power High<br>Ch./Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 633334                 |                           |                         | 19.8                   | 0.0         |
| Frequency (MHz)   |            |         |           | 3500.01                |                           |                         |                        |             |
| 100               | PI/2 BPSK  | 1       | 1         | 18.34                  |                           |                         |                        |             |
| 100               | PI/2 BPSK  | 1       | 137       | 18.33                  |                           |                         |                        |             |
| 100               | PI/2 BPSK  | 1       | 271       | 18.30                  |                           |                         |                        |             |
| 100               | PI/2 BPSK  | 135     | 0         | 18.38                  |                           |                         | 19.8                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 69        | 18.33                  |                           |                         | 19.8                   | 0.0         |
| 100               | PI/2 BPSK  | 135     | 138       | 18.38                  |                           |                         | 19.8                   | 0.0         |
| 100               | PI/2 BPSK  | 270     | 0         | 18.38                  |                           |                         |                        |             |
| 100               | QPSK       | 1       | 1         | 18.46                  |                           |                         | 19.8                   | 0.0         |
| 100               | QPSK       | 1       | 137       | 18.41                  |                           |                         |                        |             |
| 100               | QPSK       | 1       | 271       | 18.43                  |                           |                         |                        |             |
| 100               | QPSK       | 135     | 0         | 18.31                  |                           |                         | 19.8                   | 0.0         |
| 100               | QPSK       | 135     | 69        | 18.45                  |                           |                         | 19.8                   | 0.0         |
| 100               | QPSK       | 135     | 138       | 18.35                  |                           |                         | 19.8                   | 0.0         |
| 100               | QPSK       | 270     | 0         | 18.41                  |                           |                         | 19.8                   | 0.0         |
| 100               | 16QAM      | 1       | 1         | 18.34                  |                           |                         | 19.8                   | 0.0         |
| 100               | 64QAM      | 1       | 1         | 18.36                  |                           |                         | 19.8                   | 0.0         |
| 100               | 256QAM     | 1       | 1         | 18.42                  |                           |                         | 19.5                   | 0.3         |
| Channel           |            |         |           | 633000                 | 633334                    | 633668                  | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3495                   | 3500.01                   | 3505.02                 | (dBm)                  | (dB)        |
| 90                | QPSK       | 1       | 1         | 18.27                  | 18.33                     | 18.25                   | 19.8                   | 0.0         |
| Channel           |            |         |           | 632668                 | 633334                    | 634000                  | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3490.02                | 3500.01                   | 3510                    | (dBm)                  | (dB)        |
| 80                | QPSK       | 1       | 1         | 18.29                  | 18.28                     | 18.32                   | 19.8                   | 0.0         |
| Channel           |            |         |           | 632334                 | 633334                    | 634334                  | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3485.01                | 3500.01                   | 3515.01                 | (dBm)                  | (dB)        |
| 70                | QPSK       | 1       | 1         | 18.25                  | 18.31                     | 18.31                   | 19.8                   | 0.0         |
| Channel           |            |         |           | 632000                 | 633334                    | 634668                  | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3480                   | 3500.01                   | 3520.02                 | (dBm)                  | (dB)        |
| 60                | QPSK       | 1       | 1         | 18.32                  | 18.34                     | 18.25                   | 19.8                   | 0.0         |
| Channel           |            |         |           | 631668                 | 633334                    | 635000                  | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3475.02                | 3500.01                   | 3525                    | (dBm)                  | (dB)        |
| 50                | QPSK       | 1       | 1         | 18.25                  | 18.31                     | 18.35                   | 19.8                   | 0.0         |
| Channel           |            |         |           | 631334                 | 633334                    | 635334                  | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3470.01                | 3500.01                   | 3530.01                 | (dBm)                  | (dB)        |
| 40                | QPSK       | 1       | 1         | 18.31                  | 18.36                     | 18.33                   | 19.8                   | 0.0         |
| Channel           |            |         |           | 631000                 | 633334                    | 635668                  | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3465                   | 3500.01                   | 3535.02                 | (dBm)                  | (dB)        |
| 30                | QPSK       | 1       | 1         | 18.25                  | 18.34                     | 18.31                   | 19.8                   | 0.0         |
| Channel           |            |         |           | 630668                 | 633334                    | 636000                  | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3460.02                | 3500.01                   | 3540                    | (dBm)                  | (dB)        |
| 20                | QPSK       | 1       | 1         | 18.31                  | 18.36                     | 18.35                   | 19.8                   | 0.0         |
| Channel           |            |         |           | 630500                 | 633334                    | 636168                  | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3457.5                 | 3500.01                   | 3542.52                 | (dBm)                  | (dB)        |
| 15                | QPSK       | 1       | 1         | 18.24                  | 18.26                     | 18.35                   | 19.8                   | 0.0         |
| Channel           |            |         |           | 630334                 | 633334                    | 636334                  | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 3455.01                | 3500.01                   | 3545.01                 | (dBm)                  | (dB)        |
| 10                | QPSK       | 1       | 1         | 18.35                  | 18.27                     | 18.24                   | 19.8                   | 0.0         |

| Reduced Power Mode for DS17 Other_Path |            |         |           |                                                          |                                           |                              |                        |             |  |
|----------------------------------------|------------|---------|-----------|----------------------------------------------------------|-------------------------------------------|------------------------------|------------------------|-------------|--|
| n7 Ant 1                               |            |         |           |                                                          |                                           |                              |                        |             |  |
| BW [MHz]                               | Modulation | RB Size | RB Offset | Power Low<br>Ch./ Freq.                                  | Power Middle<br>Ch./ Freq.                | Power High<br>Ch./ Freq.     | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                                |            |         |           | 504000                                                   | 507000                                    | 510000                       |                        |             |  |
| Frequency (MHz)                        |            |         |           | 2650                                                     | 2635                                      | 2650                         |                        |             |  |
| 40                                     | PI2 BPSK   | 1       | 1         | 21.31                                                    | 21.38                                     | 21.31                        | 22.5                   | 0.0         |  |
| 40                                     | PI2 BPSK   | 1       | 135       | 21.37                                                    | 21.33                                     | 21.28                        |                        |             |  |
| 40                                     | PI2 BPSK   | 1       | 268       | 21.38                                                    | 21.35                                     | 21.31                        |                        |             |  |
| 40                                     | PI2 BPSK   | 135     | 0         | 21.32                                                    | 21.37                                     | 21.31                        | 22.5                   | 0.0         |  |
| 40                                     | PI2 BPSK   | 135     | 68        | 21.27                                                    | 21.39                                     | 21.27                        | 22.5                   | 0.0         |  |
| 40                                     | PI2 BPSK   | 135     | 135       | 21.36                                                    | 21.39                                     | 21.29                        | 22.5                   | 0.0         |  |
| 40                                     | PI2 BPSK   | 270     | 0         | 21.28                                                    | 21.35                                     | 21.32                        | 22.5                   | 0.0         |  |
| 40                                     | QPSK       | 1       | 1         | 21.29                                                    | 21.43                                     | 21.36                        |                        |             |  |
| 40                                     | QPSK       | 1       | 135       | 21.31                                                    | 21.31                                     | 21.29                        |                        |             |  |
| 40                                     | QPSK       | 1       | 268       | 21.29                                                    | 21.33                                     | 21.38                        | 22.5                   | 0.0         |  |
| 40                                     | QPSK       | 135     | 0         | 21.35                                                    | 21.38                                     | 21.38                        |                        |             |  |
| 40                                     | QPSK       | 135     | 68        | 21.31                                                    | 21.41                                     | 21.38                        |                        |             |  |
| 40                                     | QPSK       | 135     | 135       | 21.28                                                    | 21.35                                     | 21.25                        | 22.5                   | 0.0         |  |
| 40                                     | QPSK       | 270     | 0         | 21.28                                                    | 21.39                                     | 21.35                        | 22.5                   | 0.0         |  |
| 40                                     | 16QAM      | 1       | 1         | 21.37                                                    | 21.38                                     | 21.27                        |                        |             |  |
| 40                                     | 64QAM      | 1       | 1         | 20.85                                                    | 20.77                                     | 20.87                        |                        |             |  |
| 40                                     | 256QAM     | 1       | 1         | 18.69                                                    | 18.75                                     | 18.59                        | 19.5                   | 3.0         |  |
| Channel                                |            |         |           | 503000                                                   | 507000                                    | 511000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)                        |            |         |           | 2615 <th>2635<th>2655<th colspan="3"></th></th></th>     | 2635 <th>2655<th colspan="3"></th></th>   | 2655 <th colspan="3"></th>   |                        |             |  |
| 30                                     | QPSK       | 1       | 1         | 21.30                                                    | 21.36                                     | 21.24                        | 22.5                   | 0.0         |  |
| Channel                                |            |         |           | 502500                                                   | 507000                                    | 511500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)                        |            |         |           | 2612.5 <th>2635<th>2617.5<th colspan="3"></th></th></th> | 2635 <th>2617.5<th colspan="3"></th></th> | 2617.5 <th colspan="3"></th> |                        |             |  |
| 25                                     | QPSK       | 1       | 1         | 21.28                                                    | 21.28                                     | 21.30                        | 22.5                   | 0.0         |  |
| Channel                                |            |         |           | 502000                                                   | 507000                                    | 512000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)                        |            |         |           | 2610 <th>2635<th>2660<th colspan="3"></th></th></th>     | 2635 <th>2660<th colspan="3"></th></th>   | 2660 <th colspan="3"></th>   |                        |             |  |
| 20                                     | PI2 BPSK   | 1       | 1         | 21.27                                                    | 21.32                                     | 21.32                        | 22.5                   | 0.0         |  |
| Channel                                |            |         |           | 501500                                                   | 507000                                    | 512500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)                        |            |         |           | 2607.5 <th>2635<th>2662.5<th colspan="3"></th></th></th> | 2635 <th>2662.5<th colspan="3"></th></th> | 2662.5 <th colspan="3"></th> |                        |             |  |
| 15                                     | QPSK       | 1       | 1         | 21.31                                                    | 21.30                                     | 21.21                        | #REF!                  | 0.0         |  |
| Channel                                |            |         |           | 501000                                                   | 507000                                    | 513000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)                        |            |         |           | 2505 <th>2635<th>2565<th colspan="3"></th></th></th>     | 2635 <th>2565<th colspan="3"></th></th>   | 2565 <th colspan="3"></th>   |                        |             |  |
| 10                                     | QPSK       | 1       | 1         | 21.27                                                    | 21.31                                     | 21.32                        | 22.5                   | 0.0         |  |
| Channel                                |            |         |           | 500500                                                   | 507000                                    | 513500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)                        |            |         |           | 2502.5 <th>2635<th>2567.5<th colspan="3"></th></th></th> | 2635 <th>2567.5<th colspan="3"></th></th> | 2567.5 <th colspan="3"></th> |                        |             |  |
| 5                                      | QPSK       | 1       | 1         | 21.33                                                    | 21.36                                     | 21.26                        | 22.5                   | 0.0         |  |

| n7 Ant 4        |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 | 15.4                | 0.0      |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |
| 40              | PI2 BPSK   | 1       | 1         | 14.09                 | 14.11                    | 14.19                  | 15.4                | 0.0      |
| 40              | PI2 BPSK   | 1       | 135       | 14.19                 | 14.09                    | 14.18                  |                     |          |
| 40              | PI2 BPSK   | 1       | 268       | 14.08                 | 14.20                    | 14.09                  | 15.4                | 0.0      |
| 40              | PI2 BPSK   | 135     | 0         | 14.12                 | 14.19                    | 14.16                  |                     |          |
| 40              | PI2 BPSK   | 135     | 68        | 14.07                 | 14.08                    | 14.08                  | 15.4                | 0.0      |
| 40              | PI2 BPSK   | 135     | 135       | 14.14                 | 14.16                    | 14.15                  |                     |          |
| 40              | PI2 BPSK   | 270     | 0         | 14.08                 | 14.15                    | 14.16                  | 15.4                | 0.0      |
| 40              | QPSK       | 1       | 1         | 14.08                 | 14.21                    | 14.05                  |                     |          |
| 40              | QPSK       | 1       | 135       | 14.14                 | 14.16                    | 14.05                  | 15.4                | 0.0      |
| 40              | QPSK       | 1       | 268       | 14.18                 | 14.09                    | 14.05                  |                     |          |
| 40              | QPSK       | 135     | 0         | 14.05                 | 14.15                    | 14.18                  | 15.4                | 0.0      |
| 40              | QPSK       | 135     | 68        | 14.17                 | 14.19                    | 14.11                  |                     |          |
| 40              | QPSK       | 135     | 135       | 14.08                 | 14.16                    | 14.16                  | 15.4                | 0.0      |
| 40              | QPSK       | 270     | 0         | 14.07                 | 14.17                    | 14.05                  |                     |          |
| 40              | 16QAM      | 1       | 1         | 14.06                 | 14.18                    | 14.06                  | 15.4                | 0.0      |
| 40              | 64QAM      | 1       | 1         | 14.12                 | 14.07                    | 14.05                  |                     |          |
| 40              | 256QAM     | 1       | 1         | 14.18                 | 14.19                    | 14.08                  | 15.4                | 0.0      |
| Channel         |            |         |           | 503000                | 507000                   | 510000                 |                     |          |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   | 15.4                | 0.0      |
| 30              | QPSK       | 1       | 1         | 14.09                 | 14.09                    | 14.04                  |                     |          |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | 15.4                | 0.0      |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 14.03                 | 14.07                    | 14.06                  | 15.4                | 0.0      |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 |                     |          |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   | 15.4                | 0.0      |
| 20              | PI2 BPSK   | 1       | 1         | 14.14                 | 14.08                    | 14.14                  |                     |          |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | 15.4                | 0.0      |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 14.10                 | 14.10                    | 14.01                  | 15.4                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 |                     |          |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | 15.4                | 0.0      |
| 10              | QPSK       | 1       | 1         | 14.02                 | 14.06                    | 14.10                  |                     |          |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | 15.4                | 0.0      |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 14.14                 | 14.08                    | 14.09                  | 15.4                | 0.0      |

| Part27Q n78 Ant 5 |            |         |           |                       |                          |                        |                     |          |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel           |            |         |           | 633334                |                          |                        | 14.3                | 0.0      |
| Frequency (MHz)   |            |         |           | 3500.01               |                          |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 1         |                       | 13.39                    |                        | 14.3                | 0.0      |
| 100               | PI/2 BPSK  | 1       | 137       |                       | 13.31                    |                        |                     |          |
| 100               | PI/2 BPSK  | 1       | 271       |                       | 13.38                    |                        | 14.3                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 0         |                       | 13.41                    |                        |                     |          |
| 100               | PI/2 BPSK  | 135     | 69        |                       | 13.36                    |                        | 14.3                | 0.0      |
| 100               | PI/2 BPSK  | 135     | 138       |                       | 13.38                    |                        |                     |          |
| 100               | PI/2 BPSK  | 270     | 0         |                       | 13.40                    |                        | 14.3                | 0.0      |
| 100               | QPSK       | 1       | 1         |                       | 13.42                    |                        |                     |          |
| 100               | QPSK       | 1       | 137       |                       | 13.30                    |                        | 14.3                | 0.0      |
| 100               | QPSK       | 1       | 271       |                       | 13.36                    |                        |                     |          |
| 100               | QPSK       | 135     | 0         |                       | 13.34                    |                        | 14.3                | 0.0      |
| 100               | QPSK       | 135     | 69        |                       | 13.38                    |                        |                     |          |
| 100               | QPSK       | 135     | 138       |                       | 13.30                    |                        | 14.3                | 0.0      |
| 100               | QPSK       | 270     | 0         |                       | 13.32                    |                        |                     |          |
| 100               | 16QAM      | 1       | 1         |                       | 13.32                    |                        | 14.3                | 0.0      |
| 100               | 64QAM      | 1       | 1         |                       | 13.38                    |                        |                     |          |
| 100               | 256QAM     | 1       | 1         |                       | 13.31                    |                        | 14.3                | 0.0      |
| Channel           |            |         |           | 633000                | 633334                   | 633668                 |                     |          |
| Frequency (MHz)   |            |         |           | 3495                  | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| 90                | QPSK       | 1       | 1         | 13.23                 | 13.32                    | 13.31                  | 14.3                | 0.0      |
| Channel           |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3490.02               | 3500.01                  | 3510                   | 14.3                | 0.0      |
| 80                | QPSK       | 1       | 1         | 13.24                 | 13.28                    | 13.25                  |                     |          |
| Channel           |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3485.01               | 3500.01                  | 3515.01                | 14.3                | 0.0      |
| 70                | QPSK       | 1       | 1         | 13.31                 | 13.19                    | 13.28                  |                     |          |
| Channel           |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3480                  | 3500.01                  | 3520.02                | 14.3                | 0.0      |
| 60                | QPSK       | 1       | 1         | 13.24                 | 13.28                    | 13.33                  |                     |          |
| Channel           |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3475.02               | 3500.01                  | 3525                   | 14.3                | 0.0      |
| 50                | QPSK       | 1       | 1         | 13.28                 | 13.21                    | 13.25                  |                     |          |
| Channel           |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3470.01               | 3500.01                  | 3530.01                | 14.3                | 0.0      |
| 40                | QPSK       | 1       | 1         | 13.30                 | 13.27                    | 13.24                  |                     |          |
| Channel           |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3465                  | 3500.01                  | 3535.02                | 14.3                | 0.0      |
| 30                | QPSK       | 1       | 1         | 13.25                 | 13.19                    | 13.31                  |                     |          |
| Channel           |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3460.02               | 3500.01                  | 3540                   | 14.3                | 0.0      |
| 20                | QPSK       | 1       | 1         | 13.29                 | 13.24                    | 13.30                  |                     |          |
| Channel           |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3457.5                | 3500.01                  | 3542.52                | 14.3                | 0.0      |
| 15                | QPSK       | 1       | 1         | 13.20                 | 13.20                    | 13.31                  |                     |          |
| Channel           |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3455.01               | 3500.01                  | 3545.01                | 14.3                | 0.0      |
| 10                | QPSK       | 1       | 1         | 13.31                 | 13.20                    | 13.32                  |                     |          |

Full &amp; Default Other\_PA

| n2 Ant 1        |            |         |           |                       |                          |                                                                       |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|-----------------------------------------------------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq.                                                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 372000                | 376000                   | 380000                                                                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                                                                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 23.34                 | 23.29                    | 23.27                                                                 | 24.0                | 0.0      |  |
| 20              | PI2 BPSK   | 1       | 53        | 23.32                 | 23.39                    | 23.07                                                                 |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 23.20                 | 23.32                    | 23.30                                                                 | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 0         | 22.65                 | 22.80                    | 22.84                                                                 |                     |          |  |
| 20              | PI2 BPSK   | 50      | 28        | 23.35                 | 23.27                    | 23.37                                                                 | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 56        | 22.59                 | 22.76                    | 22.80                                                                 |                     |          |  |
| 20              | PI2 BPSK   | 100     | 0         | 22.77                 | 22.78                    | 22.69                                                                 | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 23.40                 | 23.45                    | 23.45                                                                 |                     |          |  |
| 20              | QPSK       | 1       | 53        | 23.28                 | 23.37                    | 23.22                                                                 | 23.0                | 1.0      |  |
| 20              | QPSK       | 1       | 104       | 23.30                 | 23.45                    | 23.16                                                                 |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.23                 | 22.32                    | 22.30                                                                 | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 23.10                 | 23.35                    | 23.14                                                                 |                     |          |  |
| 20              | QPSK       | 50      | 56        | 22.11                 | 22.22                    | 22.21                                                                 | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 22.23                 | 22.29                    | 22.27                                                                 |                     | 2.5      |  |
| 20              | 16QAM      | 1       | 1         | 22.47                 | 22.43                    | 22.32                                                                 |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 20.98                 | 20.89                    | 20.83                                                                 | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.67                 | 18.86                    | 18.89                                                                 |                     |          |  |
| Channel         |            |         |           | 371000                | 376000                   | 380000                                                                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                                                                | 24.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 23.26                 | 23.39                    | 23.29                                                                 |                     |          |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                                                                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1855                  | 1860                     | 1903 <td rowspan="2">24.0</td> <td colspan="2" rowspan="2">0.0</td>   | 24.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 23.39                 | 23.38                    | 23.32                                                                 |                     |          |  |
| Channel         |            |         |           | 370500                | 376000                   | 381500                                                                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5 <td rowspan="2">24.0</td> <td colspan="2" rowspan="2">0.0</td> | 24.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 23.28                 | 23.37                    | 23.43                                                                 |                     |          |  |

| n66 Ant 1       |            |         |           |                       |                          |                                                                       |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|-----------------------------------------------------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq.                                                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 346000                | 349000                   | 352000                                                                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                                                                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 22.96                 | 22.93                    | 22.74                                                                 | 24.0                | 0.0      |  |
| 40              | PI2 BPSK   | 1       | 108       | 22.90                 | 22.75                    | 22.77                                                                 |                     |          |  |
| 40              | PI2 BPSK   | 1       | 214       | 22.45                 | 22.92                    | 22.62                                                                 | 23.5                | 0.5      |  |
| 40              | PI2 BPSK   | 108     | 0         | 22.19                 | 22.29                    | 22.20                                                                 |                     |          |  |
| 40              | PI2 BPSK   | 108     | 54        | 22.84                 | 22.82                    | 22.72                                                                 | 23.5                | 0.5      |  |
| 40              | PI2 BPSK   | 108     | 108       | 22.03                 | 22.49                    | 22.24                                                                 |                     |          |  |
| 40              | PI2 BPSK   | 216     | 0         | 22.33                 | 22.32                    | 22.20                                                                 | 24.0                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 22.02                 | 22.08                    | 23.01                                                                 |                     |          |  |
| 40              | QPSK       | 1       | 108       | 22.78                 | 22.78                    | 22.90                                                                 | 23.0                | 1.0      |  |
| 40              | QPSK       | 1       | 214       | 22.67                 | 22.94                    | 22.85                                                                 |                     |          |  |
| 40              | QPSK       | 108     | 0         | 21.83                 | 21.75                    | 21.84                                                                 | 23.0                | 1.0      |  |
| 40              | QPSK       | 108     | 54        | 22.42                 | 22.75                    | 22.58                                                                 |                     |          |  |
| 40              | QPSK       | 108     | 108       | 21.78                 | 21.66                    | 21.83                                                                 | 23.0                | 1.0      |  |
| 40              | QPSK       | 216     | 0         | 21.83                 | 21.85                    | 21.73                                                                 |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 21.91                 | 21.98                    | 21.91                                                                 | 21.5                | 2.5      |  |
| 40              | 64QAM      | 1       | 1         | 20.52                 | 20.58                    | 20.69                                                                 |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 18.32                 | 18.34                    | 18.28                                                                 | 19.5                | 4.5      |  |
| Channel         |            |         |           | 345500                | 349000                   | 352500                                                                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1727.5                | 1745                     | 1762.5 <td rowspan="2">24.0</td> <td colspan="2" rowspan="2">0.0</td> | 24.0                | 0.0      |  |
| 35              | QPSK       | 1       | 1         | 23.04                 | 22.75                    | 22.89                                                                 |                     |          |  |
| Channel         |            |         |           | 345000                | 349000                   | 353000                                                                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1722                  | 1745                     | 1765 <td rowspan="2">24.0</td> <td colspan="2" rowspan="2">0.0</td>   | 24.0                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 22.85                 | 22.89                    | 22.71                                                                 |                     |          |  |
| Channel         |            |         |           | 344500                | 349000                   | 353500                                                                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1722.5                | 1745                     | 1767.5 <td rowspan="2">24.0</td> <td colspan="2" rowspan="2">0.0</td> | 24.0                | 0.0      |  |
| 25              | QPSK       | 1       | 1         | 22.98                 | 22.85                    | 22.85                                                                 |                     |          |  |
| Channel         |            |         |           | 344000                | 349000                   | 354000                                                                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770 <td rowspan="2">24.0</td> <td colspan="2" rowspan="2">0.0</td>   | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 23.04                 | 22.78                    | 22.77                                                                 |                     |          |  |
| Channel         |            |         |           | 343500                | 349000                   | 354500                                                                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5 <td rowspan="2">24.0</td> <td colspan="2" rowspan="2">0.0</td> | 24.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.92                 | 22.90                    | 22.79                                                                 |                     |          |  |
| Channel         |            |         |           | 343000                | 349000                   | 355000                                                                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775 <td rowspan="2">24.0</td> <td colspan="2" rowspan="2">0.0</td>   | 24.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 22.85                 | 22.94                    | 22.74                                                                 |                     |          |  |
| Channel         |            |         |           | 342500                | 349000                   | 355500                                                                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5 <td rowspan="2">24.0</td> <td colspan="2" rowspan="2">0.0</td> | 24.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.89                 | 22.80                    | 22.90                                                                 |                     |          |  |

| n2 Ant 4        |            |         |           |                       |                          |                                               |                               |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|-----------------------------------------------|-------------------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq.                        | Tune-up limit (dBm)           | MPR (dB) |  |
| Channel         |            |         |           | 372000                | 376000                   | 380000                                        | 24.0                          | 0.0      |  |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                                          |                               |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 23.00                 | 23.25                    | 23.05                                         | 24.0                          | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 53        | 23.24                 | 23.13                    | 23.22                                         |                               |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 23.22                 | 23.18                    | 22.97                                         |                               |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.62                 | 22.51                    | 22.27                                         |                               |          |  |
| 20              | PI/2 BPSK  | 50      | 28        | 23.13                 | 23.04                    | 23.01                                         | 24.0                          | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 22.61                 | 22.68                    | 22.44                                         | 23.5                          | 0.5      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 22.66                 | 22.61                    | 22.42                                         | 24.0                          | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 23.25                 | 23.31                    | 23.08                                         |                               |          |  |
| 20              | QPSK       | 1       | 53        | 22.93                 | 23.16                    | 23.13                                         |                               |          |  |
| 20              | QPSK       | 1       | 104       | 23.12                 | 23.26                    | 23.02                                         |                               |          |  |
| 20              | QPSK       | 50      | 0         | 21.97                 | 22.10                    | 22.01                                         | 23.0                          | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 23.11                 | 23.16                    | 23.10                                         | 24.0                          | 0.0      |  |
| 20              | QPSK       | 80      | 56        | 21.97                 | 21.98                    | 22.02                                         | 23.0                          | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 22.10                 | 22.13                    | 21.91                                         | 23.0                          | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 22.18                 | 22.34                    | 22.18                                         |                               |          |  |
| 20              | 64QAM      | 1       | 1         | 20.75                 | 20.83                    | 20.84                                         |                               |          |  |
| 20              | 256QAM     | 1       | 1         | 18.52                 | 18.84                    | 18.62                                         |                               |          |  |
| Channel         |            |         |           | 375000                | 376000                   | 380000                                        | Tune-up limit (dBm)           | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                                        | 24.0 <td colspan="2">0.0</td> | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 23.12                 | 23.17                    | 22.91                                         | 24.0                          | 0.0      |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                                        | Tune-up limit (dBm)           | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1855                  | 1880                     | 1905                                          | 24.0                          | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 23.20                 | 23.29                    | 23.09                                         | 24.0                          | 0.0      |  |
| Channel         |            |         |           | 370500                | 375000                   | 381500                                        | Tune-up limit (dBm)           | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5 <td>24.0</td> <td colspan="2">0.0</td> | 24.0                          | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 23.23                 | 23.20                    | 22.91                                         | 24.0                          | 0.0      |  |

| n66 Ant 4       |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 346000                | 349000                   | 352000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 1         | 22.66                 | 22.79                    | 22.70                  | 24.0                | 0.0      |  |
| 40              | PI/2 BPSK  | 1       | 108       | 22.52                 | 22.75                    | 22.63                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 214       | 22.57                 | 22.42                    | 22.80                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 0         | 22.52                 | 22.43                    | 22.42                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 54        | 22.53                 | 22.81                    | 22.52                  | 24.0                | 0.0      |  |
| 40              | PI/2 BPSK  | 108     | 108       | 22.45                 | 22.22                    | 22.12                  | 23.5                | 0.5      |  |
| 40              | PI/2 BPSK  | 216     | 0         | 22.28                 | 22.35                    | 22.06                  | 24.0                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 22.95                 | 23.00                    | 22.88                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 22.87                 | 22.61                    | 22.91                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 22.89                 | 22.78                    | 22.82                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 22.14                 | 22.06                    | 22.10                  | 23.0                | 1.0      |  |
| 40              | QPSK       | 108     | 54        | 22.58                 | 22.67                    | 22.49                  | 24.0                | 0.0      |  |
| 40              | QPSK       | 108     | 108       | 21.56                 | 21.60                    | 22.17                  | 23.0                | 1.0      |  |
| 40              | QPSK       | 216     | 0         | 22.01                 | 22.05                    | 21.48                  | 23.0                | 1.0      |  |
| 40              | 16QAM      | 1       | 1         | 21.52                 | 21.79                    | 21.74                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 20.23                 | 20.44                    | 20.42                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 18.00                 | 18.28                    | 18.22                  |                     |          |  |
| Channel         |            |         |           | 345500                | 349000                   | 352500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1727.5                | 1745                     | 1762.5                 | 24.0                | 0.0      |  |
| 35              | QPSK       | 1       | 1         | 22.64                 | 22.64                    | 22.71                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 345000                | 349000                   | 353000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   | 24.0                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 22.67                 | 22.24                    | 22.74                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 344500                | 349000                   | 353500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1722.5                | 1745                     | 1767.5                 | 24.0                | 0.0      |  |
| 25              | QPSK       | 1       | 1         | 22.62                 | 22.72                    | 22.82                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.76                 | 22.58                    | 22.93                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 | 24.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.72                 | 22.59                    | 22.83                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   | 24.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 22.82                 | 22.66                    | 22.92                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 | 24.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.81                 | 22.75                    | 22.71                  | 24.0                | 0.0      |  |

Reduced Power Mode for DS12 Other\_PA

| n2 Ant 1        |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 372000                | 376000                   | 380000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 23.34                 | 23.29                    | 23.27                  | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 51        | 23.32                 | 23.39                    | 23.07                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 23.20                 | 23.32                    | 23.30                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.65                 | 22.80                    | 22.84                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 28        | 23.35                 | 23.27                    | 23.37                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 22.77                 | 22.78                    | 22.69                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 23.40                 | 23.45                    | 23.45                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 23.28                 | 23.37                    | 23.22                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 23.30                 | 23.45                    | 23.16                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 0         | 22.23                 | 22.32                    | 22.30                  |                     |          |  |
| 20              | QPSK       | 50      | 28        | 23.10                 | 23.35                    | 23.14                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 56        | 22.11                 | 22.22                    | 22.21                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 22.23                 | 22.29                    | 22.27                  | 23.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 22.47                 | 22.43                    | 22.32                  |                     | 23.0     |  |
| 20              | 64QAM      | 1       | 1         | 20.98                 | 20.89                    | 20.83                  |                     | 21.5     |  |
| 20              | 256QAM     | 1       | 1         | 18.67                 | 18.68                    | 18.89                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 375000                | 376000                   | 380000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 | 24.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 23.28                 | 23.39                    | 23.29                  |                     | 24.0     |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1855                  | 1860                     | 1903                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 23.39                 | 23.38                    | 23.32                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 370500                | 376000                   | 381500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 | 24.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 23.28                 | 23.37                    | 23.43                  |                     | 24.0     |  |

| n66 Ant 1       |            |         |           |                          |                             |                           |                                           |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|-------------------------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm)                    | MPR<br>(dB) |  |
| Channel         |            |         |           | 346000                   | 349000                      | 352000                    | 24.0                                      | 0.0         |  |
| Frequency (MHz) |            |         |           | 1730                     | 1745                        | 1760                      |                                           |             |  |
| 40              | PI/2 BPSK  | 1       | 1         | 22.96                    | 22.93                       | 22.74                     | 24.0                                      | 0.0         |  |
| 40              | PI/2 BPSK  | 1       | 108       | 22.90                    | 22.75                       | 22.77                     |                                           |             |  |
| 40              | PI/2 BPSK  | 1       | 214       | 22.45                    | 22.92                       | 22.62                     | 23.5                                      | 0.5         |  |
| 40              | PI/2 BPSK  | 108     | 0         | 22.19                    | 22.29                       | 22.20                     |                                           |             |  |
| 40              | PI/2 BPSK  | 108     | 54        | 22.84                    | 22.82                       | 22.72                     | 23.5                                      | 0.5         |  |
| 40              | PI/2 BPSK  | 108     | 108       | 22.03                    | 22.49                       | 22.24                     |                                           |             |  |
| 40              | PI/2 BPSK  | 216     | 0         | 22.33                    | 22.32                       | 22.20                     | 24.0                                      | 0.0         |  |
| 40              | QPSK       | 1       | 1         | 23.02                    | 22.98                       | 23.01                     |                                           |             |  |
| 40              | QPSK       | 1       | 108       | 22.78                    | 22.78                       | 22.90                     | 23.0                                      | 0.0         |  |
| 40              | QPSK       | 1       | 214       | 22.67                    | 22.94                       | 22.65                     |                                           |             |  |
| 40              | QPSK       | 108     | 0         | 21.83                    | 21.75                       | 21.84                     | 23.0                                      | 1.0         |  |
| 40              | QPSK       | 108     | 54        | 22.42                    | 22.75                       | 22.58                     |                                           |             |  |
| 40              | QPSK       | 108     | 108       | 21.78                    | 21.66                       | 21.83                     | 23.0                                      | 1.0         |  |
| 40              | QPSK       | 216     | 0         | 21.83                    | 21.85                       | 21.73                     |                                           |             |  |
| 40              | 16QAM      | 1       | 1         | 21.91                    | 21.98                       | 21.91                     | 21.5                                      | 2.5         |  |
| 40              | 64QAM      | 1       | 1         | 20.52                    | 20.58                       | 20.69                     |                                           |             |  |
| 40              | 256QAM     | 1       | 1         | 18.32                    | 18.34                       | 18.28                     | 19.5                                      | 4.5         |  |
| Channel         |            |         |           | 345500                   | 349000                      | 352500                    |                                           |             |  |
| Frequency (MHz) |            |         |           | 1727.5                   | 1745                        | 1762.5                    | 24.0                                      | 0.0         |  |
| 35              | QPSK       | 1       | 1         | 23.04                    | 22.75                       | 22.89                     |                                           | 24.0        |  |
| Channel         |            |         |           | 345000                   | 349000                      | 353000                    | 24.0                                      | 0.0         |  |
| Frequency (MHz) |            |         |           | 1722                     | 1745                        | 1765                      |                                           |             |  |
| 30              | QPSK       | 1       | 1         | 22.85                    | 22.89                       | 22.71                     | 24.0 <td colspan="2" rowspan="2">0.0</td> | 0.0         |  |
| Channel         |            |         |           | 344500                   | 349000                      | 353500                    |                                           |             |  |
| Frequency (MHz) |            |         |           | 1722.5                   | 1745                        | 1767.5                    | 24.0                                      | 0.0         |  |
| 25              | QPSK       | 1       | 1         | 22.98                    | 22.85                       | 22.85                     |                                           | 24.0        |  |
| Channel         |            |         |           | 344000                   | 349000                      | 354000                    | 24.0                                      | 0.0         |  |
| Frequency (MHz) |            |         |           | 1720                     | 1745                        | 1770                      |                                           |             |  |
| 20              | QPSK       | 1       | 1         | 23.04                    | 22.78                       | 22.77                     | 24.0 <td colspan="2" rowspan="2">0.0</td> | 0.0         |  |
| Channel         |            |         |           | 343500                   | 349000                      | 354500                    |                                           |             |  |
| Frequency (MHz) |            |         |           | 1717.5                   | 1745                        | 1772.5                    | 24.0                                      | 0.0         |  |
| 15              | QPSK       | 1       | 1         | 22.92                    | 22.90                       | 22.79                     |                                           | 24.0        |  |
| Channel         |            |         |           | 343000                   | 349000                      | 355000                    | 24.0                                      | 0.0         |  |
| Frequency (MHz) |            |         |           | 1715                     | 1745                        | 1775                      |                                           |             |  |
| 10              | QPSK       | 1       | 1         | 22.85                    | 22.94                       | 22.74                     | 24.0                                      | 0.0         |  |
| Channel         |            |         |           | 342500                   | 349000                      | 355500                    |                                           |             |  |
| Frequency (MHz) |            |         |           | 1712.5                   | 1745                        | 1772.5                    | 24.0                                      | 0.0         |  |
| 5               | QPSK       | 1       | 1         | 22.89                    | 22.80                       | 22.90                     |                                           | 24.0        |  |

| n2 Ant 4        |            |         |           |                        |                           |                         |                               |             |  |
|-----------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|-------------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch / Freq | Power Middle<br>Ch / Freq | Power High<br>Ch / Freq | Tune-up limit<br>(dBm)        | MPR<br>(dB) |  |
| Channel         |            |         |           | 372000                 | 376000                    | 380000                  |                               |             |  |
| Frequency (MHz) |            |         |           | 1860                   | 1880                      | 1900                    |                               |             |  |
| 20              | PI/2 BPSK  | 1       | 1         | 19.53                  | 19.48                     | 19.50                   | 20.2                          | 0.0         |  |
| 20              | PI/2 BPSK  | 1       | 53        | 19.56                  | 19.54                     | 19.46                   |                               |             |  |
| 20              | PI/2 BPSK  | 1       | 104       | 19.52                  | 19.57                     | 19.53                   |                               |             |  |
| 20              | PI/2 BPSK  | 50      | 0         | 19.54                  | 19.56                     | 19.53                   |                               |             |  |
| 20              | PI/2 BPSK  | 50      | 28        | 19.49                  | 19.59                     | 19.49                   | 20.2                          | 0.0         |  |
| 20              | PI/2 BPSK  | 50      | 56        | 19.50                  | 19.49                     | 19.58                   | 20.2                          | 0.0         |  |
| 20              | PI/2 BPSK  | 100     | 0         | 19.54                  | 19.52                     | 19.59                   | 20.2                          | 0.0         |  |
| 20              | QPSK       | 1       | 1         | 19.47                  | 19.61                     | 19.49                   |                               |             |  |
| 20              | QPSK       | 1       | 53        | 19.51                  | 19.51                     | 19.52                   |                               |             |  |
| 20              | QPSK       | 1       | 104       | 19.50                  | 19.52                     | 19.47                   |                               |             |  |
| 20              | QPSK       | 50      | 0         | 19.53                  | 19.53                     | 19.56                   | 20.2                          | 0.0         |  |
| 20              | QPSK       | 50      | 28        | 19.53                  | 19.58                     | 19.55                   | 20.2                          | 0.0         |  |
| 20              | QPSK       | 80      | 56        | 19.52                  | 19.52                     | 19.47                   | 20.2                          | 0.0         |  |
| 20              | QPSK       | 100     | 0         | 19.47                  | 19.57                     | 19.47                   | 20.2                          | 0.0         |  |
| 20              | 16QAM      | 1       | 1         | 19.54                  | 19.50                     | 19.57                   | 20.2                          | 0.0         |  |
| 20              | 64QAM      | 1       | 1         | 19.57                  | 19.52                     | 19.59                   | 20.2                          | 0.0         |  |
| 20              | 256QAM     | 1       | 1         | 18.52                  | 18.84                     | 18.62                   | 19.5                          | 0.7         |  |
| Channel         |            |         |           | 371500                 | 376000                    | 380000                  | Tune-up limit<br>(dBm)        | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1857.5                 | 1880                      | 1902.5                  | 20.2 <td colspan="2">0.0</td> | 0.0         |  |
| 15              | QPSK       | 1       | 1         | 19.42                  | 19.47                     | 19.43                   | 20.2                          | 0.0         |  |
| Channel         |            |         |           | 371000                 | 376000                    | 381000                  | Tune-up limit<br>(dBm)        | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1855                   | 1880                      | 1905                    | 20.2 <td colspan="2">0.0</td> | 0.0         |  |
| 10              | QPSK       | 1       | 1         | 19.44                  | 19.52                     | 19.49                   | 20.2                          | 0.0         |  |
| Channel         |            |         |           | 370500                 | 376000                    | 381500                  | Tune-up limit<br>(dBm)        | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1852.5                 | 1880                      | 1907.5                  | 20.2 <td colspan="2">0.0</td> | 0.0         |  |
| 5               | QPSK       | 1       | 1         | 19.47                  | 19.45                     | 19.43                   | 20.2                          | 0.0         |  |

| n66 Ant 4       |            |         |           |                                                                                                                         |                             |                                                                                              |                        |             |  |
|-----------------|------------|---------|-----------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------------------------------------------------------------------------|------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq.                                                                                                | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq.                                                                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 344000                                                                                                                  | 349000                      | 350000                                                                                       |                        |             |  |
| Frequency (MHz) |            |         |           | 1730                                                                                                                    | 1745                        | 1760                                                                                         |                        |             |  |
| 40              | PI/2 BPSK  | 1       | 1         | 18.63                                                                                                                   | 18.50                       | 18.53                                                                                        | 19.4                   | 0.0         |  |
| 40              | PI/2 BPSK  | 1       | 108       | 18.49                                                                                                                   | 18.45                       | 18.53                                                                                        |                        |             |  |
| 40              | PI/2 BPSK  | 1       | 214       | 18.62                                                                                                                   | 18.71                       | 18.44                                                                                        |                        |             |  |
| 40              | PI/2 BPSK  | 108     | 0         | 18.50                                                                                                                   | 18.46                       | 18.59                                                                                        |                        |             |  |
| 40              | PI/2 BPSK  | 108     | 54        | 18.55                                                                                                                   | 18.47                       | 18.50                                                                                        | 19.4                   | 0.0         |  |
| 40              | PI/2 BPSK  | 108     | 108       | 18.44                                                                                                                   | 18.75                       | 18.62                                                                                        | 19.4                   | 0.0         |  |
| 40              | PI/2 BPSK  | 216     | 0         | 18.56                                                                                                                   | 18.52                       | 18.53                                                                                        | 19.4                   | 0.0         |  |
| 40              | QPSK       | 1       | 1         | 18.66                                                                                                                   | 18.78                       | 18.71                                                                                        |                        |             |  |
| 40              | QPSK       | 1       | 108       | 18.65                                                                                                                   | 18.59                       | 18.68                                                                                        |                        |             |  |
| 40              | QPSK       | 1       | 214       | 18.45                                                                                                                   | 18.54                       | 18.47                                                                                        |                        |             |  |
| 40              | QPSK       | 108     | 0         | 18.43                                                                                                                   | 18.72                       | 18.68                                                                                        | 19.4                   | 0.0         |  |
| 40              | QPSK       | 108     | 54        | 18.68                                                                                                                   | 18.76                       | 18.57                                                                                        | 19.4                   | 0.0         |  |
| 40              | QPSK       | 108     | 108       | 18.42                                                                                                                   | 18.72                       | 18.63                                                                                        | 19.4                   | 0.0         |  |
| 40              | QPSK       | 216     | 0         | 18.54                                                                                                                   | 18.75                       | 18.61                                                                                        | 19.4                   | 0.0         |  |
| 40              | 16QAM      | 1       | 1         | 18.37                                                                                                                   | 18.67                       | 18.57                                                                                        | 19.4                   | 0.0         |  |
| 40              | 64QAM      | 1       | 1         | 18.44                                                                                                                   | 18.62                       | 18.68                                                                                        | 19.4                   | 0.0         |  |
| 40              | 256QAM     | 1       | 1         | 18.00                                                                                                                   | 18.28                       | 18.22                                                                                        | 19.4                   | 0.0         |  |
| Channel         |            |         |           | 345000                                                                                                                  | 349000                      | 350500                                                                                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1727.5                                                                                                                  | 1745                        | 1762.5 <td>20.2</td> <td data-cs="2" data-kind="parent">0.0</td> <td data-kind="ghost"></td> | 20.2                   | 0.0         |  |
| 35              | QPSK       | 1       | 1         | 18.47                                                                                                                   | 18.51                       | 18.46                                                                                        | 19.4                   | 0.0         |  |
| Channel         |            |         |           | 345000                                                                                                                  | 349000                      | 353000                                                                                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1725 <th>1745</th> <th>1765<td>20.2</td><td data-cs="2" data-kind="parent">0.0</td><td data-kind="ghost"></td></th>     | 1745                        | 1765 <td>20.2</td> <td data-cs="2" data-kind="parent">0.0</td> <td data-kind="ghost"></td>   | 20.2                   | 0.0         |  |
| 30              | QPSK       | 1       | 1         | 18.42                                                                                                                   | 18.52                       | 18.56                                                                                        | 19.4                   | 0.0         |  |
| Channel         |            |         |           | 344500                                                                                                                  | 349000                      | 353500                                                                                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1722.5 <th>1745</th> <th>1767.5<td>20.2</td><td data-cs="2" data-kind="parent">0.0</td><td data-kind="ghost"></td></th> | 1745                        | 1767.5 <td>20.2</td> <td data-cs="2" data-kind="parent">0.0</td> <td data-kind="ghost"></td> | 20.2                   | 0.0         |  |
| 25              | QPSK       | 1       | 1         | 18.48                                                                                                                   | 18.55                       | 18.45                                                                                        | 19.4                   | 0.0         |  |
| Channel         |            |         |           | 344000                                                                                                                  | 349000                      | 354000                                                                                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1720                                                                                                                    | 1745                        | 1770 <td>20.2</td> <td data-cs="2" data-kind="parent">0.0</td> <td data-kind="ghost"></td>   | 20.2                   | 0.0         |  |
| 20              | QPSK       | 1       | 1         | 18.46                                                                                                                   | 18.54                       | 18.45                                                                                        | 19.4                   | 0.0         |  |
| Channel         |            |         |           | 343500                                                                                                                  | 349000                      | 354500                                                                                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1717.5 <th>1745</th> <th>1772.5<td>20.2</td><td data-cs="2" data-kind="parent">0.0</td><td data-kind="ghost"></td></th> | 1745                        | 1772.5 <td>20.2</td> <td data-cs="2" data-kind="parent">0.0</td> <td data-kind="ghost"></td> | 20.2                   | 0.0         |  |
| 15              | QPSK       | 1       | 1         | 18.42                                                                                                                   | 18.45                       | 18.44                                                                                        | 19.4                   | 0.0         |  |
| Channel         |            |         |           | 343000                                                                                                                  | 349000                      | 355000                                                                                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1715 <th>1745</th> <th>1775<td>20.2</td><td data-cs="2" data-kind="parent">0.0</td><td data-kind="ghost"></td></th>     | 1745                        | 1775 <td>20.2</td> <td data-cs="2" data-kind="parent">0.0</td> <td data-kind="ghost"></td>   | 20.2                   | 0.0         |  |
| 10              | QPSK       | 1       | 1         | 18.51                                                                                                                   | 18.47                       | 18.48                                                                                        | 19.4                   | 0.0         |  |
| Channel         |            |         |           | 342500                                                                                                                  | 349000                      | 355500                                                                                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1712.5 <th>1745</th> <th>1777.5<td>20.2</td><td data-cs="2" data-kind="parent">0.0</td><td data-kind="ghost"></td></th> | 1745                        | 1777.5 <td>20.2</td> <td data-cs="2" data-kind="parent">0.0</td> <td data-kind="ghost"></td> | 20.2                   | 0.0         |  |
| 5               | QPSK       | 1       | 1         | 18.53                                                                                                                   | 18.42                       | 18.53                                                                                        | 19.4                   | 0.0         |  |

Reduced Power Mode for DSI3 Other\_PA

| n2 Ant 1        |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 372000                | 376000                   | 380000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 22.24                 | 22.36                    | 22.46                  | 23.5                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 51        | 22.31                 | 22.22                    | 22.35                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 22.19                 | 22.23                    | 22.29                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.29                 | 22.24                    | 22.43                  | 23.0                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 28        | 22.35                 | 22.40                    | 22.31                  | 23.5                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 22.17                 | 22.22                    | 22.49                  | 23.0                | 0.5      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 22.22                 | 22.23                    | 22.30                  | 23.5                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.49                 | 22.55                    | 22.47                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.11                 | 22.35                    | 22.48                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.28                 | 22.23                    | 22.46                  | 23.0                | 0.5      |  |
| 20              | QPSK       | 50      | 0         | 22.23                 | 22.32                    | 22.30                  |                     |          |  |
| 20              | QPSK       | 50      | 28        | 22.31                 | 22.52                    | 22.50                  | 23.5                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 22.15                 | 22.10                    | 22.21                  | 23.0                | 0.5      |  |
| 20              | QPSK       | 100     | 0         | 22.19                 | 22.35                    | 22.27                  | 23.0                | 0.5      |  |
| 20              | 16QAM      | 1       | 1         | 22.27                 | 22.26                    | 22.32                  |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 20.96                 | 20.89                    | 20.83                  | 21.5                | 2.0      |  |
| 20              | 256QAM     | 1       | 1         | 18.67                 | 18.66                    | 18.89                  | 19.5                | 4.0      |  |
| Channel         |            |         |           | 375000                | 376000                   | 380000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| 15              | QPSK       | 1       | 1         | 22.25                 | 22.31                    | 22.36                  |                     | 23.5     |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1850                  | 1860                     | 1900                   | Tune-up limit (dBm) | MPR (dB) |  |
| 10              | QPSK       | 1       | 1         | 22.29                 | 22.30                    | 22.45                  |                     | 23.5     |  |
| Channel         |            |         |           | 370500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| 5               | QPSK       | 1       | 1         | 22.16                 | 22.25                    | 22.44                  |                     | 23.5     |  |

| n66 Ant 1       |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 346000                | 349000                   | 352000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 1         | 21.76                 | 22.00                    | 21.84                  | 23.0                | 0.0      |  |
| 40              | PI/2 BPSK  | 1       | 108       | 21.84                 | 21.84                    | 21.78                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 214       | 21.96                 | 21.88                    | 21.79                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 0         | 21.89                 | 21.99                    | 21.89                  | 23.0                | 0.0      |  |
| 40              | PI/2 BPSK  | 108     | 54        | 21.93                 | 21.95                    | 21.90                  | 23.0                | 0.0      |  |
| 40              | PI/2 BPSK  | 108     | 108       | 21.76                 | 22.02                    | 21.80                  | 23.0                | 0.0      |  |
| 40              | PI/2 BPSK  | 216     | 0         | 21.89                 | 21.87                    | 21.82                  | 23.0                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 21.94                 | 22.03                    | 21.97                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 21.78                 | 21.94                    | 21.97                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 21.91                 | 21.92                    | 21.89                  | 23.0                | 0.0      |  |
| 40              | QPSK       | 108     | 0         | 21.75                 | 21.92                    | 21.80                  |                     |          |  |
| 40              | QPSK       | 108     | 54        | 21.82                 | 22.01                    | 21.78                  | 23.0                | 0.0      |  |
| 40              | QPSK       | 108     | 108       | 21.85                 | 22.00                    | 21.83                  | 23.0                | 0.0      |  |
| 40              | QPSK       | 216     | 0         | 21.89                 | 21.98                    | 21.96                  | 23.0                | 0.0      |  |
| 40              | 16QAM      | 1       | 1         | 21.79                 | 21.86                    | 21.78                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 20.52                 | 20.58                    | 20.69                  | 21.5                | 1.5      |  |
| 40              | 256QAM     | 1       | 1         | 18.32                 | 18.34                    | 18.28                  | 19.5                | 3.5      |  |
| Channel         |            |         |           | 345500                | 349000                   | 352500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1727.5                | 1745                     | 1762.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| 35              | QPSK       | 1       | 1         | 21.73                 | 22.05                    | 21.89                  |                     | 24.0     |  |
| Channel         |            |         |           | 345000                | 349000                   | 353000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1722                  | 1745                     | 1765                   | Tune-up limit (dBm) | MPR (dB) |  |
| 30              | QPSK       | 1       | 1         | 21.75                 | 21.86                    | 21.89                  |                     | 23.0     |  |
| Channel         |            |         |           | 344500                | 349000                   | 353500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1722.5                | 1745                     | 1767.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| 25              | QPSK       | 1       | 1         | 21.86                 | 21.96                    | 21.86                  | 23.0                | 0.0      |  |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   | Tune-up limit (dBm) | MPR (dB) |  |
| 20              | QPSK       | 1       | 1         | 21.77                 | 22.00                    | 21.88                  |                     | 23.0     |  |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| 15              | QPSK       | 1       | 1         | 21.65                 | 21.84                    | 21.82                  | 23.0                | 0.0      |  |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   | Tune-up limit (dBm) | MPR (dB) |  |
| 10              | QPSK       | 1       | 1         | 21.76                 | 21.82                    | 21.88                  | 23.0                | 0.0      |  |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| 5               | QPSK       | 1       | 1         | 21.83                 | 21.92                    | 21.85                  | 23.0                | 0.0      |  |

| n2 Ant 4        |            |         |           |                     |                        |                      |                     |                     |  |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|---------------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Middle Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB)            |  |
| Channel         |            |         |           | 372000              | 376000                 | 380000               | 19.4                | 0.0                 |  |
| Frequency (MHz) |            |         |           | 1860                | 1880                   | 1900                 |                     |                     |  |
| 20              | PI/2 BPSK  | 1       | 1         | 17.99               | 18.12                  | 18.06                | 19.4                | 0.0                 |  |
| 20              | PI/2 BPSK  | 1       | 53        | 18.12               | 18.03                  | 17.91                |                     |                     |  |
| 20              | PI/2 BPSK  | 1       | 104       | 17.99               | 18.01                  | 17.91                | 19.4                | 0.0                 |  |
| 20              | PI/2 BPSK  | 50      | 0         | 18.02               | 18.06                  | 17.90                |                     |                     |  |
| 20              | PI/2 BPSK  | 50      | 28        | 18.12               | 18.20                  | 18.11                | 19.4                | 0.0                 |  |
| 20              | PI/2 BPSK  | 50      | 56        | 18.16               | 18.01                  | 17.96                |                     |                     |  |
| 20              | PI/2 BPSK  | 100     | 0         | 17.96               | 18.05                  | 18.04                | 19.4                | 0.0                 |  |
| 20              | QPSK       | 1       | 1         | 18.16               | 18.21                  | 18.10                |                     |                     |  |
| 20              | QPSK       | 1       | 53        | 18.03               | 18.08                  | 18.08                | 19.4                | 0.0                 |  |
| 20              | QPSK       | 1       | 104       | 17.96               | 18.05                  | 18.12                |                     |                     |  |
| 20              | QPSK       | 50      | 0         | 18.02               | 18.00                  | 18.05                | 19.4                | 0.0                 |  |
| 20              | QPSK       | 50      | 28        | 18.17               | 18.20                  | 18.09                |                     |                     |  |
| 20              | QPSK       | 80      | 56        | 18.01               | 18.00                  | 18.05                | 19.4                | 0.0                 |  |
| 20              | QPSK       | 100     | 0         | 17.98               | 18.11                  | 17.93                |                     |                     |  |
| 20              | 16QAM      | 1       | 1         | 18.00               | 18.04                  | 17.97                | 19.4                | 0.0                 |  |
| 20              | 64QAM      | 1       | 1         | 18.00               | 18.11                  | 18.05                |                     |                     |  |
| 20              | 256QAM     | 1       | 1         | 18.06               | 18.02                  | 18.05                | 19.4                | 0.0                 |  |
| Channel         |            |         |           | 371500              | 376000                 | 380500               |                     | Tune-up limit (dBm) |  |
| Frequency (MHz) |            |         |           | 1857.5              | 1880                   | 1902.5               | MPR (dB)            |                     |  |
| 15              | QPSK       | 1       | 1         | 18.13               | 18.07                  | 17.95                | 19.4                | 0.0                 |  |
| Channel         |            |         |           | 371000              | 376000                 | 381000               |                     | Tune-up limit (dBm) |  |
| Frequency (MHz) |            |         |           | 1855                | 1880                   | 1905                 | MPR (dB)            |                     |  |
| 10              | QPSK       | 1       | 1         | 18.04               | 18.10                  | 18.10                | 19.4                | 0.0                 |  |
| Channel         |            |         |           | 370500              | 375000                 | 381500               |                     | Tune-up limit (dBm) |  |
| Frequency (MHz) |            |         |           | 1852.5              | 1880                   | 1907.5               | MPR (dB)            |                     |  |
| 5               | QPSK       | 1       | 1         | 18.07               | 18.20                  | 18.04                | 19.4                | 0.0                 |  |

| n66 Ant 4       |            |         |           |                       |                          |                        |                     |          |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |          |
| Channel         |            |         |           | 348000                | 349000                   | 350000                 | 17.8                | 0.0      |          |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |          |
| 40              | PI/2 BPSK  | 1       | 1         | 16.82                 | 17.02                    | 16.89                  | 17.8                | 0.0      |          |
| 40              | PI/2 BPSK  | 1       | 108       | 16.93                 | 17.05                    | 16.81                  |                     |          |          |
| 40              | PI/2 BPSK  | 1       | 214       | 16.91                 | 16.83                    | 16.93                  | 17.8                | 0.0      |          |
| 40              | PI/2 BPSK  | 108     | 0         | 16.88                 | 16.92                    | 16.94                  |                     |          |          |
| 40              | PI/2 BPSK  | 108     | 54        | 16.80                 | 16.91                    | 16.89                  | 17.8                | 0.0      |          |
| 40              | PI/2 BPSK  | 108     | 108       | 16.85                 | 16.99                    | 16.91                  |                     |          |          |
| 40              | PI/2 BPSK  | 216     | 0         | 16.85                 | 16.86                    | 16.81                  | 17.8                | 0.0      |          |
| 40              | QPSK       | 1       | 1         | 17.01                 | 17.07                    | 16.95                  |                     |          |          |
| 40              | QPSK       | 1       | 108       | 16.97                 | 16.93                    | 16.81                  | 17.8                | 0.0      |          |
| 40              | QPSK       | 1       | 214       | 16.93                 | 17.05                    | 16.85                  |                     |          |          |
| 40              | QPSK       | 108     | 0         | 16.90                 | 16.98                    | 16.86                  | 17.8                | 0.0      |          |
| 40              | QPSK       | 108     | 54        | 17.00                 | 17.02                    | 16.96                  |                     |          |          |
| 40              | QPSK       | 108     | 108       | 16.95                 | 16.90                    | 16.95                  | 17.8                | 0.0      |          |
| 40              | QPSK       | 216     | 0         | 16.84                 | 16.94                    | 16.78                  |                     |          |          |
| 40              | 16QAM      | 1       | 1         | 16.95                 | 16.84                    | 16.82                  | 17.8                | 0.0      |          |
| 40              | 64QAM      | 1       | 1         | 16.80                 | 16.85                    | 16.81                  |                     |          |          |
| 40              | 256QAM     | 1       | 1         | 16.81                 | 16.98                    | 16.86                  | 17.8                | 0.0      |          |
| Channel         |            |         |           | 347500                | 349000                   | 350500                 |                     | 17.8     | MPR (dB) |
| Frequency (MHz) |            |         |           | 1727.5                | 1745                     | 1762.5                 |                     |          |          |
| 35              | QPSK       | 1       | 1         | 16.87                 | 17.05                    | 16.91                  | 17.8                | 0.0      |          |
| Channel         |            |         |           | 345000                | 349000                   | 353000                 |                     | 17.8     | MPR (dB) |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   |                     |          |          |
| 30              | QPSK       | 1       | 1         | 16.83                 | 16.87                    | 16.82                  | 17.8                | 0.0      |          |
| Channel         |            |         |           | 344500                | 349000                   | 353500                 |                     | 17.8     | MPR (dB) |
| Frequency (MHz) |            |         |           | 1722.5                | 1745                     | 1767.5                 |                     |          |          |
| 25              | QPSK       | 1       | 1         | 16.80                 | 16.86                    | 16.77                  | 17.8                | 0.0      |          |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 |                     | 17.8     | MPR (dB) |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |          |
| 20              | QPSK       | 1       | 1         | 16.82                 | 16.97                    | 16.93                  | 17.8                | 0.0      |          |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 |                     | 17.8     | MPR (dB) |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |          |
| 15              | QPSK       | 1       | 1         | 16.80                 | 16.83                    | 16.83                  | 17.8                | 0.0      |          |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 |                     | 17.8     | MPR (dB) |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |          |
| 10              | QPSK       | 1       | 1         | 17.00                 | 16.88                    | 16.81                  | 17.8                | 0.0      |          |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 |                     | 17.8     | MPR (dB) |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |          |
| 5               | QPSK       | 1       | 1         | 16.87                 | 17.00                    | 16.73                  | 17.8                | 0.0      |          |

Reduced Power Mode for DSI6 Other\_PA

| n2 Ant 1        |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 372000                   | 376000                      | 380000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1860                     | 1880                        | 1900                      |                        |             |
| 20              | PI/2 BPSK  | 1       | 1         | 22.24                    | 22.36                       | 22.46                     | 23.4                   | 0.0         |
| 20              | PI/2 BPSK  | 1       | 51        | 22.31                    | 22.22                       | 22.35                     |                        |             |
| 20              | PI/2 BPSK  | 1       | 104       | 22.19                    | 22.23                       | 22.29                     |                        |             |
| 20              | PI/2 BPSK  | 50      | 0         | 22.29                    | 22.24                       | 22.43                     | 23.4                   | 0.0         |
| 20              | PI/2 BPSK  | 50      | 28        | 22.35                    | 22.40                       | 22.31                     | 23.4                   | 0.0         |
| 20              | PI/2 BPSK  | 50      | 56        | 22.17                    | 22.22                       | 22.49                     | 23.4                   | 0.0         |
| 20              | PI/2 BPSK  | 100     | 0         | 22.22                    | 22.23                       | 22.30                     | 23.4                   | 0.0         |
| 20              | QPSK       | 1       | 1         | 22.49                    | 22.55                       | 22.47                     | 23.4                   | 0.0         |
| 20              | QPSK       | 1       | 53        | 22.11                    | 22.35                       | 22.48                     |                        |             |
| 20              | QPSK       | 1       | 104       | 22.28                    | 22.23                       | 22.46                     |                        |             |
| 20              | QPSK       | 50      | 0         | 22.23                    | 22.32                       | 22.30                     | 23.0                   | 0.4         |
| 20              | QPSK       | 50      | 28        | 22.31                    | 22.52                       | 22.50                     | 23.4                   | 0.0         |
| 20              | QPSK       | 50      | 56        | 22.15                    | 22.10                       | 22.21                     | 23.0                   | 0.4         |
| 20              | QPSK       | 100     | 0         | 22.19                    | 22.35                       | 22.27                     | 23.0                   | 0.4         |
| 20              | 16QAM      | 1       | 1         | 22.27                    | 22.28                       | 22.32                     | 23.0                   | 0.4         |
| 20              | 64QAM      | 1       | 1         | 20.98                    | 20.89                       | 20.83                     | 21.5                   | 1.9         |
| 20              | 256QAM     | 1       | 1         | 18.67                    | 18.68                       | 18.89                     | 19.5                   | 3.5         |
| Channel         |            |         |           | 375000                   | 376000                      | 380500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1857.5                   | 1880                        | 1902.5                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 15              | QPSK       | 1       | 1         | 22.25                    | 22.31                       | 22.36                     |                        |             |
| Channel         |            |         |           | 371000                   | 376000                      | 381000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1853                     | 1860                        | 1903                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 10              | QPSK       | 1       | 1         | 22.29                    | 22.30                       | 22.45                     |                        |             |
| Channel         |            |         |           | 370500                   | 376000                      | 381500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1852.5                   | 1880                        | 1907.5                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 5               | QPSK       | 1       | 1         | 22.16                    | 22.25                       | 22.44                     |                        |             |

| n66 Ant 1       |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 346000                   | 349000                      | 355000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1730                     | 1745                        | 1760                      |                        |             |
| 40              | PI/2 BPSK  | 1       | 1         | 22.96                    | 22.93                       | 22.74                     | 24.0                   | 0.0         |
| 40              | PI/2 BPSK  | 1       | 108       | 22.90                    | 22.75                       | 22.77                     |                        |             |
| 40              | PI/2 BPSK  | 1       | 214       | 22.45                    | 22.92                       | 22.82                     |                        |             |
| 40              | PI/2 BPSK  | 108     | 0         | 22.19                    | 22.29                       | 22.20                     | 23.5                   | 0.5         |
| 40              | PI/2 BPSK  | 108     | 54        | 22.84                    | 22.82                       | 22.72                     | 24.0                   | 0.0         |
| 40              | PI/2 BPSK  | 108     | 108       | 22.03                    | 22.49                       | 22.24                     | 23.5                   | 0.5         |
| 40              | PI/2 BPSK  | 216     | 0         | 22.33                    | 22.52                       | 22.20                     | 24.0                   | 0.0         |
| 40              | QPSK       | 1       | 1         | 23.02                    | 23.08                       | 23.01                     |                        |             |
| 40              | QPSK       | 1       | 108       | 22.78                    | 22.78                       | 22.90                     |                        |             |
| 40              | QPSK       | 1       | 214       | 22.87                    | 22.94                       | 22.85                     | 23.0                   | 1.0         |
| 40              | QPSK       | 108     | 0         | 21.83                    | 21.75                       | 21.84                     | 23.0                   | 1.0         |
| 40              | QPSK       | 108     | 54        | 22.42                    | 22.75                       | 22.58                     | 24.0                   | 0.0         |
| 40              | QPSK       | 108     | 108       | 21.78                    | 21.66                       | 21.83                     | 23.0                   | 1.0         |
| 40              | QPSK       | 216     | 0         | 21.83                    | 21.85                       | 21.73                     | 23.0                   | 1.0         |
| 40              | 16QAM      | 1       | 1         | 21.91                    | 21.98                       | 21.91                     | 23.0                   | 1.0         |
| 40              | 64QAM      | 1       | 1         | 20.52                    | 20.58                       | 20.69                     | 21.5                   | 2.5         |
| 40              | 256QAM     | 1       | 1         | 18.32                    | 18.34                       | 18.28                     | 19.5                   | 4.5         |
| Channel         |            |         |           | 345500                   | 349000                      | 352500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1727.5                   | 1745                        | 1762.5                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 35              | QPSK       | 1       | 1         | 23.04                    | 22.75                       | 22.89                     |                        |             |
| Channel         |            |         |           | 345000                   | 349000                      | 353000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1722                     | 1745                        | 1765                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 30              | QPSK       | 1       | 1         | 22.85                    | 22.89                       | 22.71                     |                        |             |
| Channel         |            |         |           | 344500                   | 349000                      | 353500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1722.5                   | 1745                        | 1767.5                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 25              | QPSK       | 1       | 1         | 22.98                    | 22.85                       | 22.85                     |                        |             |
| Channel         |            |         |           | 344000                   | 349000                      | 354000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1720                     | 1745                        | 1770                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 20              | QPSK       | 1       | 1         | 23.04                    | 22.78                       | 22.77                     |                        |             |
| Channel         |            |         |           | 343500                   | 349000                      | 354500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1717.5                   | 1745                        | 1772.5                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 15              | QPSK       | 1       | 1         | 22.92                    | 22.90                       | 22.79                     |                        |             |
| Channel         |            |         |           | 343000                   | 349000                      | 355000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1715                     | 1745                        | 1775                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 10              | QPSK       | 1       | 1         | 22.85                    | 22.94                       | 22.74                     |                        |             |
| Channel         |            |         |           | 342500                   | 349000                      | 355500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1712.5                   | 1745                        | 1777.5                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 5               | QPSK       | 1       | 1         | 22.85                    | 22.80                       | 22.80                     |                        |             |

| n2 Ant 4        |            |         |           |                        |                           |                                               |                        |             |  |
|-----------------|------------|---------|-----------|------------------------|---------------------------|-----------------------------------------------|------------------------|-------------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low<br>Ch./Freq. | Power Middle<br>Ch./Freq. | Power High<br>Ch./Freq.                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 372000                 | 376000                    | 380000                                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1860                   | 1880                      | 1900                                          |                        |             |  |
| 20              | PI/2 BPSK  | 1       | 1         | 21.31                  | 21.35                     | 21.29                                         | 22.3                   | 0.0         |  |
| 20              | PI/2 BPSK  | 1       | 53        | 21.24                  | 21.28                     | 21.23                                         |                        |             |  |
| 20              | PI/2 BPSK  | 1       | 104       | 21.35                  | 21.27                     | 21.32                                         |                        |             |  |
| 20              | PI/2 BPSK  | 50      | 0         | 21.27                  | 21.35                     | 21.32                                         | 22.3                   | 0.0         |  |
| 20              | PI/2 BPSK  | 50      | 28        | 21.26                  | 21.27                     | 21.26                                         | 22.3                   | 0.0         |  |
| 20              | PI/2 BPSK  | 50      | 56        | 21.24                  | 21.35                     | 21.33                                         | 22.3                   | 0.0         |  |
| 20              | PI/2 BPSK  | 100     | 0         | 21.32                  | 21.29                     | 21.35                                         | 22.3                   | 0.0         |  |
| 20              | QPSK       | 1       | 1         | 21.24                  | 21.37                     | 21.30                                         |                        |             |  |
| 20              | QPSK       | 1       | 53        | 21.30                  | 21.28                     | 21.23                                         |                        |             |  |
| 20              | QPSK       | 1       | 104       | 21.25                  | 21.28                     | 21.34                                         | 22.3                   | 0.0         |  |
| 20              | QPSK       | 50      | 0         | 21.32                  | 21.32                     | 21.25                                         |                        |             |  |
| 20              | QPSK       | 50      | 28        | 21.23                  | 21.38                     | 21.30                                         |                        |             |  |
| 20              | QPSK       | 80      | 56        | 21.25                  | 21.29                     | 21.32                                         | 22.3                   | 0.0         |  |
| 20              | QPSK       | 100     | 0         | 21.31                  | 21.33                     | 21.26                                         | 22.3                   | 0.0         |  |
| 20              | 16QAM      | 1       | 1         | 21.29                  | 21.34                     | 21.28                                         |                        |             |  |
| 20              | 64QAM      | 1       | 1         | 20.75                  | 20.83                     | 20.84                                         |                        |             |  |
| 20              | 256QAM     | 1       | 1         | 18.52                  | 18.84                     | 18.62                                         | 19.5                   | 2.8         |  |
| Channel         |            |         |           | 376000                 | 380000                    | 384000                                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1857.5                 | 1880                      | 1902.5                                        | 22.3                   | 0.0         |  |
| 15              | QPSK       | 1       | 1         | 21.30                  | 21.22                     | 21.17                                         | 22.3                   | 0.0         |  |
| Channel         |            |         |           | 371000                 | 376000                    | 381000                                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1855                   | 1880                      | 1905 <td>22.3</td> <td colspan="2">0.0</td>   | 22.3                   | 0.0         |  |
| 10              | QPSK       | 1       | 1         | 21.20                  | 21.21                     | 21.27                                         | 22.3                   | 0.0         |  |
| Channel         |            |         |           | 370500                 | 375000                    | 381500                                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1852.5                 | 1880                      | 1907.5 <td>22.3</td> <td colspan="2">0.0</td> | 22.3                   | 0.0         |  |
| 5               | QPSK       | 1       | 1         | 21.26                  | 21.28                     | 21.23                                         | 22.3                   | 0.0         |  |

| n66 Ant 4       |            |         |           |                        |                           |                         |                               |             |  |
|-----------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|-------------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch./Freq. | Power Middle<br>Ch./Freq. | Power High<br>Ch./Freq. | Tune-up limit<br>(dBm)        | MPR<br>(dB) |  |
| Channel         |            |         |           | 348000                 | 349000                    | 350000                  | Tune-up limit<br>(dBm)        | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1730                   | 1745                      | 1760                    |                               |             |  |
| 40              | PI/2 BPSK  | 1       | 1         | 20.87                  | 20.93                     | 20.96                   | 22.0                          | 0.0         |  |
| 40              | PI/2 BPSK  | 1       | 108       | 20.85                  | 20.91                     | 20.87                   |                               |             |  |
| 40              | PI/2 BPSK  | 1       | 214       | 20.87                  | 20.89                     | 20.94                   |                               |             |  |
| 40              | PI/2 BPSK  | 108     | 0         | 20.83                  | 21.01                     | 20.98                   | 22.0                          | 0.0         |  |
| 40              | PI/2 BPSK  | 108     | 54        | 20.91                  | 20.98                     | 20.93                   | 22.0                          | 0.0         |  |
| 40              | PI/2 BPSK  | 108     | 108       | 20.83                  | 20.96                     | 20.91                   | 22.0                          | 0.0         |  |
| 40              | PI/2 BPSK  | 216     | 0         | 20.95                  | 20.94                     | 20.85                   | 22.0                          | 0.0         |  |
| 40              | QPSK       | 1       | 1         | 20.92                  | 21.02                     | 20.88                   |                               |             |  |
| 40              | QPSK       | 1       | 108       | 20.87                  | 20.95                     | 20.91                   |                               |             |  |
| 40              | QPSK       | 1       | 214       | 20.89                  | 20.88                     | 20.83                   | 22.0                          | 0.0         |  |
| 40              | QPSK       | 108     | 0         | 20.89                  | 20.97                     | 20.91                   | 22.0                          | 0.0         |  |
| 40              | QPSK       | 108     | 54        | 20.88                  | 20.98                     | 20.91                   | 22.0                          | 0.0         |  |
| 40              | QPSK       | 108     | 108       | 20.85                  | 20.92                     | 20.92                   | 22.0                          | 0.0         |  |
| 40              | QPSK       | 216     | 0         | 20.91                  | 20.95                     | 20.83                   | 22.0                          | 0.0         |  |
| 40              | 16QAM      | 1       | 1         | 20.96                  | 20.94                     | 20.95                   |                               |             |  |
| 40              | 64QAM      | 1       | 1         | 20.23                  | 20.44                     | 20.42                   | 21.5                          | 0.5         |  |
| 40              | 256QAM     | 1       | 1         | 18.00                  | 18.28                     | 18.22                   | 19.5                          | 2.5         |  |
| Channel         |            |         |           | 348500                 | 349000                    | 350500                  | Tune-up limit<br>(dBm)        | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1727.5                 | 1745                      | 1762.5                  | 22.0 <td colspan="2">0.0</td> | 0.0         |  |
| 35              | QPSK       | 1       | 1         | 20.89                  | 20.96                     | 20.83                   | 22.0                          | 0.0         |  |
| Channel         |            |         |           | 345000                 | 349000                    | 353000                  | Tune-up limit<br>(dBm)        | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1725                   | 1745                      | 1765                    | 22.0 <td colspan="2">0.0</td> | 0.0         |  |
| 30              | QPSK       | 1       | 1         | 20.81                  | 20.87                     | 20.83                   | 22.0                          | 0.0         |  |
| Channel         |            |         |           | 344500                 | 349000                    | 353500                  | Tune-up limit<br>(dBm)        | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1722.5                 | 1745                      | 1767.5                  | 22.0 <td colspan="2">0.0</td> | 0.0         |  |
| 25              | QPSK       | 1       | 1         | 20.89                  | 20.85                     | 20.87                   | 22.0                          | 0.0         |  |
| Channel         |            |         |           | 344000                 | 349000                    | 354000                  | Tune-up limit<br>(dBm)        | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1720                   | 1745                      | 1770                    | 22.0 <td colspan="2">0.0</td> | 0.0         |  |
| 20              | QPSK       | 1       | 1         | 20.90                  | 20.89                     | 20.84                   | 22.0                          | 0.0         |  |
| Channel         |            |         |           | 343500                 | 349000                    | 354500                  | Tune-up limit<br>(dBm)        | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                 | 1745                      | 1772.5                  | 22.0 <td colspan="2">0.0</td> | 0.0         |  |
| 15              | QPSK       | 1       | 1         | 20.70                  | 20.88                     | 20.85                   | 22.0                          | 0.0         |  |
| Channel         |            |         |           | 343000                 | 349000                    | 355000                  | Tune-up limit<br>(dBm)        | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1715                   | 1745                      | 1775                    | 22.0 <td colspan="2">0.0</td> | 0.0         |  |
| 10              | QPSK       | 1       | 1         | 20.81                  | 20.92                     | 20.90                   | 22.0                          | 0.0         |  |
| Channel         |            |         |           | 342500                 | 349000                    | 355500                  | Tune-up limit<br>(dBm)        | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                 | 1745                      | 1777.5                  | 22.0 <td colspan="2">0.0</td> | 0.0         |  |
| 5               | QPSK       | 1       | 1         | 20.85                  | 20.86                     | 20.82                   | 22.0                          | 0.0         |  |

Reduced Power Mode for DSI7 Other\_PA

| n2 Ant 1        |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 372000                | 376000                   | 380000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 20.39                 | 20.38                    | 20.41                  | 21.9                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 51        | 20.32                 | 20.40                    | 20.37                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 20.42                 | 20.34                    | 20.43                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 20.39                 | 20.45                    | 20.34                  | 21.9                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 28        | 20.39                 | 20.42                    | 20.33                  | 21.9                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 20.38                 | 20.45                    | 20.38                  | 21.9                | 0.0      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 20.41                 | 20.35                    | 20.40                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 20.35                 | 20.46                    | 20.35                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 20.35                 | 20.44                    | 20.38                  | 21.9                | 0.0      |  |
| 20              | QPSK       | 1       | 104       | 20.42                 | 20.44                    | 20.37                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 20.37                 | 20.37                    | 20.33                  |                     | 0.0      |  |
| 20              | QPSK       | 50      | 28        | 20.35                 | 20.45                    | 20.41                  | 21.9                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 20.42                 | 20.37                    | 20.42                  | 21.9                | 0.0      |  |
| 20              | QPSK       | 100     | 0         | 20.33                 | 20.43                    | 20.35                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 20.38                 | 20.44                    | 20.37                  | 21.9                | 0.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.38                 | 20.38                    | 20.33                  | 21.5                | 0.4      |  |
| 20              | 256QAM     | 1       | 1         | 18.67                 | 18.88                    | 18.89                  | 19.5                | 2.4      |  |
| Channel         |            |         |           | 375000                | 376000                   | 380000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| 15              | QPSK       | 1       | 1         | 20.39                 | 20.34                    | 20.33                  |                     | 21.9     |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1855                  | 1860                     | 1905                   | Tune-up limit (dBm) | MPR (dB) |  |
| 10              | QPSK       | 1       | 1         | 20.35                 | 20.40                    | 20.38                  |                     | 21.9     |  |
| Channel         |            |         |           | 370500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| 5               | QPSK       | 1       | 1         | 20.38                 | 20.40                    | 20.39                  |                     | 21.9     |  |

| n66 Ant 1       |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 346000                | 349000                   | 352000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 1         | 20.92                 | 20.94                    | 20.92                  | 22.1                | 0.0      |  |
| 40              | PI/2 BPSK  | 1       | 108       | 20.99                 | 21.05                    | 21.01                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 214       | 20.95                 | 21.01                    | 20.93                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 0         | 20.95                 | 20.95                    | 20.96                  | 22.1                | 0.0      |  |
| 40              | PI/2 BPSK  | 108     | 54        | 20.94                 | 20.98                    | 20.94                  | 22.1                | 0.0      |  |
| 40              | PI/2 BPSK  | 108     | 108       | 20.91                 | 21.04                    | 21.02                  | 22.1                | 0.0      |  |
| 40              | PI/2 BPSK  | 216     | 0         | 20.98                 | 20.98                    | 20.91                  |                     |          |  |
| 40              | QPSK       | 1       | 1         | 20.95                 | 21.05                    | 20.93                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 20.98                 | 20.92                    | 20.93                  | 22.1                | 0.0      |  |
| 40              | QPSK       | 1       | 214       | 20.92                 | 21.01                    | 20.96                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 21.01                 | 21.04                    | 20.93                  |                     | 0.0      |  |
| 40              | QPSK       | 108     | 54        | 20.94                 | 21.05                    | 20.91                  | 22.1                | 0.0      |  |
| 40              | QPSK       | 108     | 108       | 20.98                 | 20.93                    | 20.95                  | 22.1                | 0.0      |  |
| 40              | QPSK       | 216     | 0         | 20.92                 | 21.02                    | 20.98                  |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 20.93                 | 20.99                    | 20.99                  | 22.1                | 0.0      |  |
| 40              | 64QAM      | 1       | 1         | 20.52                 | 20.58                    | 20.69                  | 21.5                | 0.6      |  |
| 40              | 256QAM     | 1       | 1         | 18.32                 | 18.34                    | 18.28                  | 19.5                | 2.6      |  |
| Channel         |            |         |           | 345500                | 349000                   | 352500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1727.5                | 1745                     | 1762.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| 35              | QPSK       | 1       | 1         | 20.92                 | 20.91                    | 20.92                  |                     | 24.0     |  |
| Channel         |            |         |           | 345000                | 349000                   | 353000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   | Tune-up limit (dBm) | MPR (dB) |  |
| 30              | QPSK       | 1       | 1         | 20.90                 | 20.90                    | 20.98                  |                     | 22.1     |  |
| Channel         |            |         |           | 344500                | 349000                   | 353500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1722.5                | 1745                     | 1767.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| 25              | QPSK       | 1       | 1         | 20.91                 | 20.94                    | 20.95                  |                     | 22.1     |  |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   | Tune-up limit (dBm) | MPR (dB) |  |
| 20              | QPSK       | 1       | 1         | 20.91                 | 20.91                    | 20.93                  |                     | 22.1     |  |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| 15              | QPSK       | 1       | 1         | 20.93                 | 20.95                    | 20.88                  |                     | 22.1     |  |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   | Tune-up limit (dBm) | MPR (dB) |  |
| 10              | QPSK       | 1       | 1         | 20.90                 | 21.00                    | 20.89                  |                     | 22.1     |  |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| 5               | QPSK       | 1       | 1         | 20.98                 | 20.94                    | 20.88                  |                     | 22.1     |  |

| n2 Ant 4        |            |         |           |                     |                        |                      |                     |          |  |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Middle Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 372000              | 376000                 | 380000               |                     |          |  |
| Frequency (MHz) |            |         |           | 1860                | 1880                   | 1900                 |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 17.11               | 17.22                  | 17.14                | 18.4                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 53        | 17.16               | 17.15                  | 17.13                |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 17.12               | 17.26                  | 17.11                |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 17.23               | 17.22                  | 17.11                |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 28        | 17.23               | 17.22                  | 17.17                | 18.4                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 17.13               | 17.24                  | 17.13                | 18.4                | 0.0      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 17.20               | 17.23                  | 17.14                | 18.4                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 17.12               | 17.27                  | 17.15                |                     |          |  |
| 20              | QPSK       | 1       | 53        | 17.21               | 17.24                  | 17.20                |                     |          |  |
| 20              | QPSK       | 1       | 104       | 17.19               | 17.15                  | 17.21                |                     |          |  |
| 20              | QPSK       | 50      | 0         | 17.24               | 17.14                  | 17.17                | 18.4                | 0.0      |  |
| 20              | QPSK       | 50      | 28        | 17.12               | 17.25                  | 17.13                | 18.4                | 0.0      |  |
| 20              | QPSK       | 80      | 56        | 17.16               | 17.21                  | 17.19                | 18.4                | 0.0      |  |
| 20              | QPSK       | 100     | 0         | 17.18               | 17.23                  | 17.18                | 18.4                | 0.0      |  |
| 20              | 16QAM      | 1       | 1         | 17.23               | 17.22                  | 17.21                |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 17.16               | 17.18                  | 17.25                |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 17.20               | 17.26                  | 17.18                |                     |          |  |
| Channel         |            |         |           | 376000              | 376000                 | 380000               | 18.4                | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5              | 1880                   | 1902.5               |                     |          |  |
| 15              | QPSK       | 1       | 1         | 17.15               | 17.18                  | 17.14                | 18.4                | 0.0      |  |
| Channel         |            |         |           | 371000              | 376000                 | 381000               | 18.4                | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1855                | 1880                   | 1905                 |                     |          |  |
| 10              | QPSK       | 1       | 1         | 17.16               | 17.19                  | 17.14                | 18.4                | 0.0      |  |
| Channel         |            |         |           | 370500              | 376000                 | 381500               | 18.4                | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1852.5              | 1880                   | 1907.5               |                     |          |  |
| 5               | QPSK       | 1       | 1         | 17.16               | 17.22                  | 17.12                | 18.4                | 0.0      |  |

| n66 Ant 4       |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 348000                | 349000                   | 350000                 | 18.4                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 1         | 15.32                 | 15.35                    | 15.35                  | 18.4                | 0.0      |  |
| 40              | PI/2 BPSK  | 1       | 108       | 15.28                 | 15.32                    | 15.33                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 214       | 15.31                 | 15.37                    | 15.24                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 0         | 15.21                 | 15.39                    | 15.28                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 54        | 15.27                 | 15.41                    | 15.27                  | 16.4                | 0.0      |  |
| 40              | PI/2 BPSK  | 108     | 108       | 15.27                 | 15.42                    | 15.25                  | 16.4                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 15.22                 | 15.45                    | 15.34                  | 16.4                | 0.0      |  |
| 40              | QPSK       | 1       | 108       | 15.25                 | 15.38                    | 15.32                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 15.34                 | 15.36                    | 15.23                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 15.24                 | 15.40                    | 15.31                  |                     |          |  |
| 40              | QPSK       | 108     | 54        | 15.32                 | 15.42                    | 15.21                  | 16.4                | 0.0      |  |
| 40              | QPSK       | 108     | 108       | 15.35                 | 15.35                    | 15.34                  | 16.4                | 0.0      |  |
| 40              | QPSK       | 216     | 0         | 15.25                 | 15.39                    | 15.31                  | 16.4                | 0.0      |  |
| 40              | 16QAM      | 1       | 1         | 15.27                 | 15.40                    | 15.25                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 15.28                 | 15.32                    | 15.33                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 15.32                 | 15.35                    | 15.26                  |                     |          |  |
| Channel         |            |         |           | 348500                | 349000                   | 350500                 | 18.4                | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1727.5                | 1745                     | 1762.5                 |                     |          |  |
| 35              | QPSK       | 1       | 1         | 15.30                 | 15.26                    | 15.27                  | 16.4                | 0.0      |  |
| Channel         |            |         |           | 345000                | 349000                   | 353000                 | 18.4                | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 15.29                 | 15.39                    | 15.17                  | 16.4                | 0.0      |  |
| Channel         |            |         |           | 344500                | 349000                   | 353500                 | 18.4                | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1722.5                | 1745                     | 1767.5                 |                     |          |  |
| 25              | QPSK       | 1       | 1         | 15.25                 | 15.23                    | 15.17                  | 16.4                | 0.0      |  |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | 18.4                | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 15.23                 | 15.24                    | 15.24                  | 16.4                | 0.0      |  |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | 18.4                | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 15.23                 | 15.32                    | 15.27                  | 16.4                | 0.0      |  |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | 18.4                | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 15.16                 | 15.32                    | 15.25                  | 16.4                | 0.0      |  |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | 18.4                | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 15.23                 | 15.35                    | 15.30                  | 16.4                | 0.0      |  |

[illegible][illegible]

| Global Summary |      | Region A |  | Region B |  | Region C |  | Region D |  | Region E |  | Region F |  | Region G |  | Region H |  | Region I |  | Region J |  | Region K |  | Region L |  | Region M |  | Region N |  | Region O |  | Region P |  | Region Q |  | Region R |  | Region S |  | Region T |  | Region U |  | Region V |  | Region W |  | Region X |  | Region Y |  | Region Z |  | Region AA |  | Region AB |  | Region AC |  | Region AD |  | Region AE |  | Region AF |  | Region AG |  | Region AH |  | Region AI |  | Region AJ |  | Region AK |  | Region AL |  | Region AM |  | Region AN |  | Region AO |  | Region AP |  | Region AQ |  | Region AR |  | Region AS |  | Region AT |  | Region AU |  | Region AV |  | Region AW |  | Region AX |  | Region AY |  | Region AZ |  | Region BA |  | Region BB |  | Region BC |  | Region BD |  | Region BE |  | Region BF |  | Region BG |  | Region BH |  | Region BI |  | Region BJ |  | Region BK |  | Region BL |  | Region BM |  | Region BN |  | Region BO |  | Region BP |  | Region BQ |  | Region BR |  | Region BS |  | Region BT |  | Region BU |  | Region BV |  | Region BW |  | Region BX |  | Region BY |  | Region BZ |  | Region CA |  | Region CB |  | Region CC |  | Region CD |  | Region CE |  | Region CF |  | Region CG |  | Region CH |  | Region CI |  | Region CJ |  | Region CK |  | Region CL |  | Region CM |  | Region CN |  | Region CO |  | Region CP |  | Region CQ |  | Region CR |  | Region CS |  | Region CT |  | Region CU |  | Region CV |  | Region CW |  | Region CX |  | Region CY |  | Region CZ |  | Region DA |  | Region DB |  | Region DC |  | Region DD |  | Region DE |  | Region DF |  | Region DG |  | Region DH |  | Region DI |  | Region DJ |  | Region DK |  | Region DL |  | Region DM |  | Region DN |  | Region DO |  | Region DP |  | Region DQ |  | Region DR |  | Region DS |  | Region DT |  | Region DU |  | Region DV |  | Region DW |  | Region DX |  | Region DY |  | Region DZ |  | Region EA |  | Region EB |  | Region EC |  | Region ED |  | Region EE |  | Region EF |  | Region EG |  | Region EH |  | Region EI |  | Region EJ |  | Region EK |  | Region EL |  | Region EM |  | Region EN |  | Region EO |  | Region EP |  | Region EQ |  | Region ER |  | Region ES |  | Region ET |  | Region EU |  | Region EV |  | Region EW |  | Region EX |  | Region EY |  | Region EZ |  | Region FA |  | Region FB |  | Region FC |  | Region FD |  | Region FE |  | Region FF |  | Region FG |  | Region FH |  | Region FI |  | Region FJ |  | Region FK |  | Region FL |  | Region FM |  | Region FN |  | Region FO |  | Region FP |  | Region FQ |  | Region FR |  | Region FS |  | Region FT |  | Region FU |  | Region FV |  | Region FW |  | Region FX |  | Region FY |  | Region FZ |  | Region GA |  | Region GB |  | Region GC |  | Region GD |  | Region GE |  | Region GF |  | Region GG |  | Region GH |  | Region GI |  | Region GJ |  | Region GK |  | Region GL |  | Region GM |  | Region GN |  | Region GO |  | Region GP |  | Region GQ |  | Region GR |  | Region GS |  | Region GT |  | Region GU |  | Region GV |  | Region GW |  | Region GX |  | Region GY |  | Region GZ |  | Region HA |  | Region HB |  | Region HC |  | Region HD |  | Region HE |  | Region HF |  | Region HG |  | Region HH |  | Region HI |  | Region HJ |  | Region HK |  | Region HL |  | Region HM |  | Region HN |  | Region HO |  | Region HP |  | Region HQ |  | Region HR |  | Region HS |  | Region HT |  | Region HU |  | Region HV |  | Region HW |  | Region HX |  | Region HY |  | Region HZ |  | Region IA |  | Region IB |  | Region IC |  | Region ID |  | Region IE |  | Region IF |  | Region IG |  | Region IH |  | Region IJ |  | Region IK |  | Region IL |  | Region IM |  | Region IN |  | Region IO |  | Region IP |  | Region IQ |  | Region IR |  | Region IS |  | Region IT |  | Region IU |  | Region IV |  | Region IW |  | Region IX |  | Region IY |  | Region IZ |  | Region JA |  | Region JB |  | Region JC |  | Region JD |  | Region JE |  | Region JF |  | Region JG |  | 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|  | Region LW |  | Region LX |  | Region LY |  | Region LZ |  | Region MA |  | Region MB |  | Region MC |  | Region MD |  | Region ME |  | Region MF |  | Region MG |  | Region MH |  | Region MI |  | Region MJ |  | Region MK |  | Region ML |  | Region MM |  | Region MN |  | Region MO |  | Region MP |  | Region MQ |  | Region MR |  | Region MS |  | Region MT |  | Region MU |  | Region MV |  | Region MW |  | Region MX |  | Region MY |  | Region MZ |  | Region NA |  | Region NB |  | Region NC |  | Region ND |  | Region NE |  | Region NF |  | Region NG |  | Region NH |  | Region NI |  | Region NJ |  | Region NK |  | Region NL |  | Region NM |  | Region NN |  | Region NO |  | Region NP |  | Region NQ |  | Region NR |  | Region NS |  | Region NT |  | Region NU |  | Region NV |  | Region NW |  | Region NX |  | Region NY |  | Region NZ |  | Region OA |  | Region OB |  | Region OC |  | Region OD |  | Region OE |  | Region OF |  | Region OG |  | Region OH |  | Region OI |  | Region OJ |  | Region OK |  | Region OL |  | Region OM |  | Region ON |  | Region OO |  | Region OP |  | Region OQ |  | Region OR |  | Region OS |  | Region OT |  | Region OU |  | Region OV |  | Region OW |  | Region OX |  | Region OY |  | Region OZ |  | Region PA |  | Region PB |  | Region PC |  | Region PD |  | Region PE |  | Region PF |  | Region PG |  | Region PH |  | Region PI |  | Region PJ |  | Region PK |  | Region PL |  | Region PM |  | Region PN |  | Region PO |  | Region PP |  | Region PQ |  | Region PR |  | Region PS |  | Region PT |  | Region PU |  | Region PV |  | Region PW |  | Region PX |  | Region PY |  | Region PZ |  | Region QA |  | Region QB |  | Region QC |  | Region QD |  | Region QE |  | Region QF |  | Region QG |  | Region QH |  | Region QI |  | Region QJ |  | Region QK |  | Region QL |  | Region QM |  | Region QN |  | Region QO |  | Region QP |  | Region QQ |  | Region QR |  | Region QS |  | Region QT |  | Region QU |  | Region QV |  | Region QW |  | Region QX |  | Region QY |  | Region QZ |  | Region RA |  | Region RB |  | Region RC |  | Region RD |  | Region RE |  | Region RF |  | Region RG |  | Region RH |  | Region RI |  | Region RJ |  | Region RK |  | Region RL |  | Region RM |  | Region RN |  | Region RO |  | Region RP |  | Region RQ |  | Region RR |  | Region RS |  | Region RT |  | Region RU |  | Region RV |  | Region RW |  | Region RX |  | Region RY |  | Region RZ |  | Region SA |  | Region SB |  | Region SC |  | Region SD |  | Region SE |  | Region SF |  | Region SG |  | Region SH |  | Region SI |  | Region SJ |  | Region SK |  | Region SL |  | Region SM |  | Region SN |  | Region SO |  | Region SP |  | Region SQ |  | Region SR |  | Region SS |  | Region ST |  | Region SU |  | Region SV |  | Region SW |  | Region SX |  | Region SY |  | Region SZ |  | Region TA |  | Region TB |  | Region TC |  | Region TD |  | Region TE |  | Region TF |  | Region TG |  | Region TH |  | Region TI |  | Region TJ |  | Region TK |  | Region TL |  | Region TM |  | 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|  | Region WH |  | Region WI |  | Region WJ |  | Region WK |  | Region WL |  | Region WM |  | Region WN |  | Region WO |  | Region WP |  | Region WQ |  | Region WR |  | Region WS |  | Region WT |  | Region WU |  | Region WV |  | Region WY |  | Region WZ |  | Region XA |  | Region XB |  | Region XC |  | Region XD |  | Region XE |  | Region XF |  | Region XG |  | Region XH |  | Region XI |  | Region XJ |  | Region XK |  | Region XL |  | Region XM |  | Region XN |  | Region XO |  | Region XP |  | Region XQ |  | Region XR |  | Region XS |  | Region XT |  | Region XU |  | Region XV |  | Region XW |  | Region XY |  | Region XZ |  | Region YA |  | Region YB |  | Region YC |  | Region YD |  | Region YE |  | Region YF |  | Region YG |  | Region YH |  | Region YI |  | Region YJ |  | Region YK |  | Region YL |  | Region YM |  | Region YN |  | Region YO |  | Region YP |  | Region YQ |  | Region YR |  | Region YS |  | Region YT |  | Region YU |  | Region YV |  | Region YW |  | Region YX |  | Region YZ |  | Region ZA |  | Region ZB |  | Region ZC |  | Region ZD |  | Region ZE |  | Region ZF |  | Region ZG |  | Region ZH |  | Region ZI |  | Region ZJ |  | Region ZK |  | Region ZL |  | Region ZM |  | Region ZN |  | Region ZO |  | Region ZP |  | Region ZQ |  | Region ZR |  | Region ZS |  | Region ZT |  | Region ZU |  | Region ZV |  | Region ZW |  | Region ZX |  | Region ZY |  | Region ZZ |  |
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| Category       | Item | Region A |  | Region B |  | Region C |  | Region D |  | Region E |  | Region F |  | Region G |  | Region H |  | Region I |  | Region J |  | Region K |  | Region L |  | Region M |  | Region N |  | Region O |  | Region P |  | Region Q |  | Region R |  | Region S |  | Region T |  | Region U |  | Region V |  | Region W |  | Region X |  | Region Y |  | Region Z |  | Region AA |  | Region AB |  | Region AC |  | Region AD |  | Region AE |  | Region AF |  | Region AG |  | Region AH |  | Region AI |  | Region AJ |  | Region AK |  | Region AL |  | Region AM |  | Region AN |  | Region AO |  | Region AP |  | Region AQ |  | Region AR |  | Region AS |  | Region AT |  | Region AU |  | Region AV |  | Region AW |  | Region AX |  | Region AY |  | Region AZ |  | Region BA |  | Region BB |  | Region BC |  | Region BD |  | Region BE |  | Region BF |  | Region BG |  | Region BH |  | Region BI |  | Region BJ |  | Region BK |  | Region BL |  | Region BM |  | Region BN |  | Region BO |  | Region BP |  | Region BQ |  | Region BR |  | Region BS |  | Region BT |  | Region BU |  | Region BV |  | Region BW |  | Region BX |  | Region BY |  | Region BZ |  | Region CA |  | Region CB |  | Region CC |  | Region CD |  | Region CE |  | Region CF |  | Region CG |  | Region CH |  | Region CI |  | Region CJ |  | Region CK |  | Region CL |  | Region CM |  | Region CN |  | Region CO |  | Region CP |  | Region CQ |  | Region CR |  | Region CS |  | Region CT |  | Region CU |  | Region CV |  | Region CW |  | Region CX |  | Region CY |  | Region CZ |  | Region DA |  | Region DB |  | Region DC |  | Region DD |  | Region DE |  | Region DF |  | Region DG |  | Region DH |  | Region DI |  | Region DJ |  | Region DK |  | Region DL |  | Region DM |  | Region DN |  | Region DO |  | Region DP |  | Region DQ |  | Region DR |  | Region DS |  | Region DT |  | Region DU |  | Region DV |  | Region DW |  | Region DX |  | Region DY |  | Region DZ |  | Region EA |  | Region EB |  | Region EC |  | 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Region JH |  | Region JI |  | Region JJ |  | Region JK |  | Region JL |  | Region JM |  | Region JN |  | Region JO |  | Region JP |  | Region JQ |  | Region JR |  | Region JS |  | Region JT |  | Region JU |  | Region JV |  | Region JW |  | Region JX |  | Region JY |  | Region JZ |  | Region KA |  | Region KB |  | Region KC |  | Region KD |  | Region KE |  | Region KF |  | Region KG |  | Region KH |  | Region KI |  | Region KJ |  | Region KK |  | Region KL |  | Region KM |  | Region KN |  | Region KO |  | Region KP |  | Region KQ |  | Region KR |  | Region KS |  | Region KT |  | Region KU |  | Region KV |  | Region KW |  | Region KX |  | Region KY |  | Region KZ |  | Region LA |  | Region LB |  | Region LC |  | Region LD |  | Region LE |  | Region LF |  | Region LG |  | Region LH |  | Region LI |  | Region LJ |  | Region LK |  | Region LM |  | Region LN |  | Region LO |  | Region LP |  | Region LQ |  | Region LR |  | Region LS |  | Region LT |  | Region LU |  | Region LV |  | Region LW |  | Region LX |  | Region LY |  | Region LZ |  | Region MA |  | Region MB |  | Region MC |  | Region MD |  | Region ME |  | Region MF |  | Region MG |  | Region MH |  | Region MI |  | Region MJ |  | Region MK |  | Region ML |  | Region MM |  | Region MN |  | Region MO |  | Region MP |  | Region MQ |  | Region MR |  | Region MS |  | Region MT |  | Region MU |  | Region MV |  | Region MW |  | Region MX |  | Region MY |  | Region MZ |  | Region NA |  | Region NB |  | Region NC |  | Region ND |  | Region NE |  | Region NF |  | Region NG |  | Region NH |  | Region NI |  | Region NJ |  | Region NK |  | Region NL |  | Region NM |  | Region NN |  | Region NO |  | Region NP |  | Region NQ |  | Region NR |  | Region NS |  | Region NT |  | Region NU |  | Region NV |  | Region NW |  | Region NX |  | Region NY |  | Region NZ |  | Region OA |  | Region OB |  | Region OC |  | Region OD |  | Region OE |  | Region OF |  | Region OG |  | Region OH |  | Region OI |  | Region OJ |  | Region OK |  | Region OL |  | Region OM |  | Region ON |  | Region OO |  | Region OP |  | Region OQ |  | Region OR |  | Region OS |  | Region OT |  | Region OU |  | Region OV |  | Region OW |  | Region OX |  | Region OY |  | Region OZ |  | Region PA |  | Region PB |  | Region PC |  | Region PD |  | Region PE |  | Region PF |  | Region PG |  | Region PH |  | Region PI |  | Region PJ |  | Region PK |  | Region PL |  | Region PM |  | Region PN |  | Region PO |  | Region PP |  | Region PQ |  | Region PR |  | Region PS |  | Region PT |  | Region PU |  | Region PV |  | Region PW |  | Region PX |  | Region PY |  | Region PZ |  | Region QA |  | Region QB |  | Region QC |  | Region QD |  | Region QE |  | Region QF |  | Region QG |  | Region QH |  | Region QI |  | Region QJ |  | Region QK |  | Region QL |  | Region QM |  | Region QN |  | Region QO |  | Region QP |  | Region QQ |  | Region QR |  | Region QS |  | Region QT |  | Region QU |  | Region QV |  | Region QW |  | Region QX |  | Region QY |  | Region QZ |  | Region RA |  | Region RB |  | Region RC |  | Region RD |  | Region RE |  | Region RF |  | Region RG |  | Region RH |  | Region RI |  | Region RJ |  | Region RK |  | Region RL |  | Region RM |  | Region RN |  | Region RO |  | Region RP |  | Region RQ |  | Region RR |  | Region RS |  | Region RT |  | Region RU |  | Region RV |  | Region RW |  | Region RX |  | Region RY |  | Region RZ |  | Region SA |  | Region SB |  | Region SC |  | Region SD |  | Region SE |  | Region SF |  | Region SG |  | Region SH |  | Region SI |  | Region SJ |  | Region SK |  | Region SL |  | Region SM |  | Region SN |  | Region SO |  | Region SP |  | Region SQ |  | Region SR |  | Region SS |  | Region ST |  | Region SU |  | Region SV |  | Region SW |  | Region SX |  | Region SY |  | Region SZ |  | Region TA |  | Region TB |  | Region TC |  | Region TD |  | Region TE |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |   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|           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |           |  |

[illegible]

| BT BR/EDR |         | ANT6            |                     |       |       |               |
|-----------|---------|-----------------|---------------------|-------|-------|---------------|
| Mode      | Channel | Frequency (MHz) | Average power (dBm) |       |       | Tune-up Limit |
|           |         |                 | 1Mbps               | 2Mbps | 3Mbps |               |
| BR / EDR  | CH 00   | 2402            | 13.42               | 9.39  | 9.35  | 15.00         |
|           | CH 39   | 2441            | 13.82               | 9.79  | 9.81  | 15.00         |
|           | CH 78   | 2480            | 13.97               | 10.18 | 10.23 | 15.00         |

| BT BR/EDR |         | ANT8            |                     |       |       |               |
|-----------|---------|-----------------|---------------------|-------|-------|---------------|
| Mode      | Channel | Frequency (MHz) | Average power (dBm) |       |       | Tune-up Limit |
|           |         |                 | 1Mbps               | 2Mbps | 3Mbps |               |
| BR / EDR  | CH 00   | 2402            | 13.57               | 9.81  | 9.81  | 15.00         |
|           | CH 39   | 2441            | 12.92               | 8.87  | 8.86  | 14.50         |
|           | CH 78   | 2480            | 13.26               | 9.30  | 9.29  | 15.00         |

| BLE_1M        |         | ANT6            |                     |  |
|---------------|---------|-----------------|---------------------|--|
| Mode          | Channel | Frequency (MHz) | Average power (dBm) |  |
| LE            | CH 00   | 2402            | 4.89                |  |
|               | CH 19   | 2440            | 5.39                |  |
|               | CH 39   | 2480            | 5.50                |  |
| Tune-up Limit |         |                 | 6.00                |  |

| BLE_1M        |         | ANT8            |                     |  |
|---------------|---------|-----------------|---------------------|--|
| Mode          | Channel | Frequency (MHz) | Average power (dBm) |  |
| LE            | CH 00   | 2402            | 5.06                |  |
|               | CH 19   | 2440            | 4.15                |  |
|               | CH 39   | 2480            | 5.00                |  |
| Tune-up Limit |         |                 | 6.00                |  |

| BLE_2M        |         | ANT6            |                     |  |
|---------------|---------|-----------------|---------------------|--|
| Mode          | Channel | Frequency (MHz) | Average power (dBm) |  |
| LE            | CH 00   | 2402            | 5.03                |  |
|               | CH 19   | 2440            | 5.54                |  |
|               | CH 39   | 2480            | 5.64                |  |
| Tune-up Limit |         |                 | 6.00                |  |

| BLE_2M        |         | ANT8            |                     |  |
|---------------|---------|-----------------|---------------------|--|
| Mode          | Channel | Frequency (MHz) | Average power (dBm) |  |
| LE            | CH 00   | 2402            | 5.07                |  |
|               | CH 19   | 2440            | 4.24                |  |
|               | CH 39   | 2480            | 4.98                |  |
| Tune-up Limit |         |                 | 6.00                |  |