

|       |     |                                                     |               |      |         |
|-------|-----|-----------------------------------------------------|---------------|------|---------|
| 10954 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.23 | ± 9.6 % |
| 10955 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.42 | ± 9.6 % |
| 10956 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 FDD | 8.14 | ± 9.6 % |
| 10957 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.31 | ± 9.6 % |
| 10958 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.61 | ± 9.6 % |
| 10959 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.33 | ± 9.6 % |
| 10960 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 TDD | 9.32 | ± 9.6 % |
| 10961 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.36 | ± 9.6 % |
| 10962 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.40 | ± 9.6 % |
| 10963 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.55 | ± 9.6 % |
| 10964 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 TDD | 9.29 | ± 9.6 % |
| 10965 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.37 | ± 9.6 % |
| 10966 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.55 | ± 9.6 % |
| 10967 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.42 | ± 9.6 % |
| 10968 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.49 | ± 9.6 % |

<sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



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***Appendix E. Conducted RF Output Power Table***

The detailed power table are shown as follows.

# LAT-Full Power-DSI 2/3/4/6

| GSM850          | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |       | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
|                 | 128                       | 189   | 251   |                     | 128                       | 189   | 251   |                     |
| TX Channel      | 128.2                     | 189.4 | 251.8 |                     | 128.2                     | 189.4 | 251.8 |                     |
| Frequency (MHz) | 824.2                     | 836.4 | 848.8 |                     | 824.2                     | 836.4 | 848.8 |                     |
| GSM 1 Tx slot   | 33.61                     | 33.58 | 33.48 | 34.00               | 24.61                     | 24.58 | 24.48 | 25.00               |
| GPRS 1 Tx slot  | 33.60                     | 33.57 | 33.45 | 34.00               | 24.60                     | 24.57 | 24.45 | 25.00               |
| GPRS 2 Tx slots | 29.70                     | 29.40 | 29.32 | 30.00               | 23.70                     | 23.40 | 23.32 | 24.00               |
| GPRS 3 Tx slots | 28.44                     | 28.12 | 28.00 | 29.00               | 24.18                     | 23.86 | 23.74 | 24.74               |
| GPRS 4 Tx slots | 26.37                     | 26.52 | 26.20 | 28.00               | 23.37                     | 23.52 | 23.20 | 25.00               |
| EDGE 1 Tx slot  | 25.48                     | 25.66 | 25.20 | 26.00               | 16.48                     | 16.66 | 16.20 | 17.00               |
| EDGE 2 Tx slots | 24.00                     | 24.25 | 23.81 | 25.00               | 18.00                     | 18.25 | 17.81 | 19.00               |
| EDGE 3 Tx slots | 22.85                     | 23.05 | 22.60 | 24.00               | 18.59                     | 18.79 | 18.34 | 19.74               |
| EDGE 4 Tx slots | 20.89                     | 21.05 | 20.68 | 22.00               | 17.89                     | 18.05 | 17.68 | 19.00               |

| GSM1900         | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |        | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|--------|---------------------|---------------------------|-------|--------|---------------------|
|                 | 512                       | 661   | 810    |                     | 512                       | 661   | 810    |                     |
| TX Channel      | 512.2                     | 661.4 | 810.8  |                     | 512.2                     | 661.4 | 810.8  |                     |
| Frequency (MHz) | 1850.2                    | 1880  | 1909.8 |                     | 1850.2                    | 1880  | 1909.8 |                     |
| GSM 1 Tx slot   | 30.45                     | 30.79 | 30.53  | 31.00               | 21.45                     | 21.79 | 21.53  | 22.00               |
| GPRS 1 Tx slot  | 30.44                     | 30.78 | 30.52  | 31.00               | 21.44                     | 21.78 | 21.52  | 22.00               |
| GPRS 2 Tx slots | 26.39                     | 26.54 | 26.44  | 28.00               | 20.39                     | 20.54 | 20.44  | 22.00               |
| GPRS 3 Tx slots | 25.39                     | 25.58 | 25.11  | 26.50               | 21.13                     | 21.32 | 20.85  | 22.24               |
| GPRS 4 Tx slots | 23.14                     | 23.55 | 23.39  | 25.00               | 20.14                     | 20.55 | 20.39  | 22.00               |
| EDGE 1 Tx slot  | 24.36                     | 24.58 | 24.40  | 25.00               | 15.36                     | 15.58 | 15.40  | 16.00               |
| EDGE 2 Tx slots | 22.87                     | 23.07 | 23.11  | 24.00               | 16.87                     | 17.07 | 17.11  | 18.00               |
| EDGE 3 Tx slots | 21.84                     | 21.93 | 21.99  | 23.00               | 17.58                     | 17.67 | 17.73  | 18.74               |
| EDGE 4 Tx slots | 19.66                     | 19.88 | 19.69  | 21.00               | 16.66                     | 16.88 | 16.69  | 18.00               |

| Band                          | WCDMA II |       |        | Tune-up Limit (dBm) | WCDMA V |       |       | Tune-up Limit (dBm) |
|-------------------------------|----------|-------|--------|---------------------|---------|-------|-------|---------------------|
|                               | 9262     | 9400  | 9538   |                     | 4132    | 4182  | 4233  |                     |
| TX Channel                    | 9262     | 9400  | 9538   |                     | 4132    | 4182  | 4233  |                     |
| Rx Channel                    | 9662     | 9800  | 9938   |                     | 4357    | 4407  | 4458  |                     |
| Frequency (MHz)               | 1852.4   | 1880  | 1907.6 |                     | 826.4   | 836.4 | 846.6 |                     |
| 3GPP Rel 99 AMR 12.2Kbps      | 23.38    | 23.44 | 23.41  | 24.00               | 23.34   | 23.35 | 23.14 | 24.00               |
| 3GPP Rel 99 RMC 12.2Kbps      | 23.39    | 23.46 | 23.43  | 24.00               | 23.37   | 23.39 | 23.17 | 24.00               |
| 3GPP Rel 6 HSDPA Subtest-1    | 22.36    | 22.50 | 22.49  | 23.00               | 22.64   | 22.61 | 22.46 | 23.00               |
| 3GPP Rel 6 HSDPA Subtest-2    | 22.36    | 22.52 | 22.52  | 23.00               | 22.68   | 22.65 | 22.46 | 23.00               |
| 3GPP Rel 6 HSDPA Subtest-3    | 21.82    | 22.02 | 21.99  | 22.50               | 22.13   | 22.14 | 21.97 | 22.50               |
| 3GPP Rel 6 HSDPA Subtest-4    | 21.75    | 21.99 | 21.92  | 22.50               | 22.11   | 22.13 | 21.98 | 22.50               |
| 3GPP Rel 6 DC-HSDPA Subtest-1 | 22.28    | 22.37 | 22.44  | 23.00               | 22.56   | 22.48 | 22.39 | 23.00               |
| 3GPP Rel 6 DC-HSDPA Subtest-2 | 22.28    | 22.35 | 22.43  | 23.00               | 22.60   | 22.43 | 22.37 | 23.00               |
| 3GPP Rel 6 DC-HSDPA Subtest-3 | 21.71    | 21.89 | 21.94  | 22.50               | 22.05   | 22.01 | 21.88 | 22.50               |
| 3GPP Rel 6 DC-HSDPA Subtest-4 | 21.67    | 21.86 | 21.87  | 22.50               | 22.03   | 22.00 | 21.89 | 22.50               |
| 3GPP Rel 6 HSUPA Subtest-1    | 22.43    | 22.56 | 22.62  | 23.00               | 22.65   | 22.66 | 22.47 | 23.00               |
| 3GPP Rel 6 HSUPA Subtest-2    | 20.34    | 20.74 | 20.76  | 21.00               | 20.68   | 20.66 | 20.45 | 21.00               |
| 3GPP Rel 6 HSUPA Subtest-3    | 21.48    | 21.56 | 21.56  | 22.00               | 21.89   | 21.85 | 21.47 | 22.00               |
| 3GPP Rel 6 HSUPA Subtest-4    | 20.41    | 20.56 | 20.53  | 21.00               | 20.64   | 20.68 | 20.49 | 21.00               |
| 3GPP Rel 6 HSUPA Subtest-5    | 22.40    | 22.60 | 22.40  | 23.00               | 22.70   | 22.70 | 22.50 | 23.00               |

| Band 2 (1900MHz Band) |            |         |           |                     |                        |                      |                     |          |  |
|-----------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|
| Part 24E              |            |         |           |                     |                        |                      |                     |          |  |
| 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               |            |         |           | 18700               | 18900                  | 19100                |                     |          |  |
| Frequency (MHz)       |            |         |           | 1860                | 1880                   | 1900                 |                     |          |  |
| 20                    | QPSK       | 1       | 0         | 22.83               | 23.02                  | 22.90                | 24                  | 0        |  |
| 20                    | QPSK       | 1       | 49        | 22.91               | 22.71                  | 22.75                |                     |          |  |
| 20                    | QPSK       | 1       | 99        | 22.62               | 22.75                  | 22.58                |                     |          |  |
| 20                    | QPSK       | 50      | 0         | 21.85               | 22.09                  | 21.90                | 23                  | 1        |  |
| 20                    | QPSK       | 50      | 24        | 22.01               | 21.98                  | 22.07                |                     |          |  |
| 20                    | QPSK       | 50      | 50        | 22.08               | 22.04                  | 21.99                |                     |          |  |
| 20                    | QPSK       | 100     | 0         | 21.95               | 21.97                  | 21.91                | 23                  | 1        |  |
| 20                    | 16QAM      | 1       | 0         | 22.23               | 22.23                  | 22.11                |                     |          |  |
| 20                    | 16QAM      | 1       | 49        | 22.23               | 22.22                  | 22.16                |                     |          |  |
| 20                    | 16QAM      | 1       | 99        | 22.08               | 22.21                  | 22.06                | 22                  | 2        |  |
| 20                    | 16QAM      | 50      | 0         | 20.80               | 20.87                  | 20.85                |                     |          |  |
| 20                    | 16QAM      | 50      | 24        | 21.00               | 20.99                  | 21.06                |                     |          |  |
| 20                    | 16QAM      | 50      | 50        | 20.96               | 21.04                  | 21.01                | 22                  | 2        |  |
| 20                    | 16QAM      | 100     | 0         | 20.97               | 20.88                  | 20.83                |                     |          |  |
| 20                    | 64QAM      | 1       | 0         | 21.04               | 21.16                  | 21.05                |                     |          |  |
| 20                    | 64QAM      | 1       | 49        | 21.01               | 21.16                  | 21.03                | 22                  | 2        |  |
| 20                    | 64QAM      | 1       | 99        | 20.91               | 21.19                  | 20.91                |                     |          |  |
| 20                    | 64QAM      | 50      | 0         | 19.79               | 19.68                  | 19.80                |                     |          |  |
| 20                    | 64QAM      | 50      | 24        | 19.97               | 19.84                  | 19.85                | 21                  | 3        |  |
| 20                    | 64QAM      | 50      | 50        | 19.87               | 19.84                  | 19.80                |                     |          |  |
| 20                    | 64QAM      | 100     | 0         | 19.84               | 19.66                  | 19.88                |                     |          |  |
| Channel               |            |         |           | 18675               | 18900                  | 19125                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 1857.5              | 1880                   | 1902.5               |                     |          |  |
| 15                    | QPSK       | 1       | 0         | 22.59               | 22.63                  | 22.61                | 24                  | 0        |  |
| 15                    | QPSK       | 1       | 37        | 22.67               | 22.68                  | 22.72                |                     |          |  |
| 15                    | QPSK       | 1       | 74        | 22.56               | 22.71                  | 22.54                |                     |          |  |
| 15                    | QPSK       | 36      | 0         | 21.70               | 21.80                  | 21.87                | 23                  | 1        |  |
| 15                    | QPSK       | 36      | 20        | 21.88               | 21.95                  | 22.03                |                     |          |  |
| 15                    | QPSK       | 36      | 39        | 22.02               | 22.02                  | 21.96                |                     |          |  |
| 15                    | QPSK       | 75      | 0         | 21.83               | 21.89                  | 21.85                | 23                  | 1        |  |
| 15                    | 16QAM      | 1       | 0         | 22.15               | 22.20                  | 22.07                |                     |          |  |
| 15                    | 16QAM      | 1       | 49        | 22.19               | 22.18                  | 22.12                |                     |          |  |
| 15                    | 16QAM      | 1       | 74        | 22.06               | 22.18                  | 22.03                | 22                  | 2        |  |
| 15                    | 16QAM      | 36      | 0         | 20.77               | 20.85                  | 20.81                |                     |          |  |
| 15                    | 16QAM      | 36      | 20        | 20.96               | 20.93                  | 21.00                |                     |          |  |
| 15                    | 16QAM      | 36      | 39        | 20.93               | 21.00                  | 20.99                | 22                  | 2        |  |
| 15                    | 16QAM      | 75      | 0         | 20.95               | 20.85                  | 20.80                |                     |          |  |
| 15                    | 64QAM      | 1       | 0         | 20.98               | 21.12                  | 21.01                |                     |          |  |
| 15                    | 64QAM      | 1       | 37        | 20.88               | 21.10                  | 20.97                | 22                  | 2        |  |
| 15                    | 64QAM      | 1       | 74        | 20.89               | 21.17                  | 20.88                |                     |          |  |
| 15                    | 64QAM      | 36      | 0         | 19.73               | 19.65                  | 19.76                |                     |          |  |
| 15                    | 64QAM      | 36      | 20        | 19.94               | 19.80                  | 19.81                | 21                  | 3        |  |
| 15                    | 64QAM      | 36      | 39        | 19.83               | 19.84                  | 19.82                |                     |          |  |
| 15                    | 64QAM      | 75      | 0         | 19.78               | 19.83                  | 19.82                |                     |          |  |
| Channel               |            |         |           | 18650               | 18900                  | 19150                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 1855                | 1880                   | 1905                 |                     |          |  |
| 10                    | QPSK       | 1       | 0         | 22.56               | 22.57                  | 22.58                | 24                  | 0        |  |
| 10                    | QPSK       | 1       | 25        | 22.65               | 22.65                  | 22.69                |                     |          |  |
| 10                    | QPSK       | 1       | 49        | 22.56               | 22.71                  | 22.50                |                     |          |  |
| 10                    | QPSK       | 25      | 0         | 21.73               | 21.74                  | 21.84                | 23                  | 1        |  |
| 10                    | QPSK       | 25      | 12        | 21.85               | 21.92                  | 21.99                |                     |          |  |
| 10                    | QPSK       | 25      | 25        | 21.96               | 22.00                  | 21.93                |                     |          |  |
| 10                    | QPSK       | 50      | 0         | 21.91               | 21.83                  | 21.79                | 23                  | 1        |  |
| 10                    | 16QAM      | 1       | 0         | 22.12               | 22.17                  | 22.03                |                     |          |  |
| 10                    | 16QAM      | 1       | 25        | 22.15               | 22.14                  | 22.21                |                     |          |  |
| 10                    | 16QAM      | 1       | 49        | 22.04               | 22.15                  | 22.00                | 22                  | 2        |  |
| 10                    | 16QAM      | 25      | 0         | 20.74               | 20.83                  | 20.77                |                     |          |  |
| 10                    | 16QAM      | 25      | 12        | 20.92               | 20.87                  | 20.94                |                     |          |  |
| 10                    | 16QAM      | 25      | 25        | 20.90               | 20.96                  | 20.97                | 22                  | 2        |  |
| 10                    | 16QAM      | 50      | 0         | 20.93               | 20.82                  | 20.77                |                     |          |  |
| 10                    | 64QAM      | 1       | 0         | 20.92               | 21.08                  | 20.97                |                     |          |  |
| 10                    | 64QAM      | 1       | 25        | 20.95               | 21.04                  | 20.91                | 22                  | 2        |  |
| 10                    | 64QAM      | 1       | 49        | 20.87               | 21.15                  | 20.85                |                     |          |  |
| 10                    | 64QAM      | 25      | 0         | 19.67               | 19.62                  | 19.72                |                     |          |  |
| 10                    | 64QAM      | 25      | 12        | 19.91               | 19.74                  | 19.79                | 21                  | 3        |  |
| 10                    | 64QAM      | 25      | 25        | 19.88               | 19.80                  | 19.86                |                     |          |  |
| 10                    | 64QAM      | 50      | 0         | 19.72               | 19.80                  | 19.76                |                     |          |  |
| Channel               |            |         |           | 18625               | 18900                  | 19175                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 1852.5              | 1880                   | 1907.5               |                     |          |  |
| 5                     | QPSK       | 1       | 0         | 22.53               | 22.51                  | 22.55                | 24                  | 0        |  |
| 5                     | QPSK       | 1       | 12        | 22.63               | 22.62                  | 22.66                |                     |          |  |
| 5                     | QPSK       | 1       | 24        | 22.53               | 22.69                  | 22.46                |                     |          |  |
| 5                     | QPSK       | 12      | 0         | 21.67               | 21.68                  | 21.81                | 23                  | 1        |  |
| 5                     | QPSK       | 12      | 7         | 21.82               | 21.69                  | 21.95                |                     |          |  |
| 5                     | QPSK       | 12      | 13        | 21.90               | 21.88                  | 21.90                |                     |          |  |
| 5                     | QPSK       | 25      | 0         | 21.89               | 21.77                  | 21.73                | 23                  | 1        |  |
| 5                     | 16QAM      | 1       | 0         | 22.09               | 22.14                  | 21.99                |                     |          |  |
| 5                     | 16QAM      | 1       | 12        | 22.11               | 22.10                  | 22.18                |                     |          |  |
| 5                     | 16QAM      | 1       | 24        | 22.02               | 22.12                  | 21.97                | 22                  | 2        |  |
| 5                     | 16QAM      | 12      | 0         | 20.71               | 20.81                  | 20.73                |                     |          |  |
| 5                     | 16QAM      | 12      | 7         | 20.88               | 20.81                  | 20.88                |                     |          |  |
| 5                     | 16QAM      | 12      | 13        | 20.87               | 20.92                  | 20.95                | 22                  | 2        |  |
| 5                     | 16QAM      | 25      | 0         | 20.91               | 20.79                  | 20.74                |                     |          |  |
| 5                     | 64QAM      | 1       | 0         | 20.86               | 21.04                  | 20.93                |                     |          |  |
| 5                     | 64QAM      | 1       | 12        | 20.92               | 20.98                  | 20.85                | 22                  | 2        |  |
| 5                     | 64QAM      | 1       | 24        | 20.85               | 21.13                  | 20.82                |                     |          |  |
| 5                     | 64QAM      | 12      | 0         | 19.61               | 19.59                  | 19.68                |                     |          |  |
| 5                     | 64QAM      | 12      | 7         | 19.88               | 19.68                  | 19.77                | 21                  | 3        |  |
| 5                     | 64QAM      | 12      | 13        | 19.85               | 19.76                  | 19.86                |                     |          |  |
| 5                     | 64QAM      | 25      | 0         | 19.66               | 19.77                  | 19.70                |                     |          |  |
| Channel               |            |         |           | 18615               | 18900                  | 19185                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 1851.5              | 1880                   | 1908.5               |                     |          |  |
| 3                     | QPSK       | 1       | 0         | 22.50               | 22.45                  | 22.52                | 24                  | 0        |  |
| 3                     | QPSK       | 1       | 8         | 22.61               | 22.59                  | 22.63                |                     |          |  |
| 3                     | QPSK       | 1       | 14        | 22.50               | 22.67                  | 22.42                |                     |          |  |
| 3                     | QPSK       | 8       | 0         | 21.61               | 21.62                  | 21.78                | 23                  | 1        |  |
| 3                     | QPSK       | 8       | 4         | 21.88               | 21.66                  | 21.91                |                     |          |  |
| 3                     | QPSK       | 8       | 7         | 21.84               | 21.96                  | 21.87                |                     |          |  |
| 3                     | QPSK       | 15      | 0         | 21.87               | 21.71                  | 21.67                | 23                  | 1        |  |
| 3                     | 16QAM      | 1       | 0         | 22.06               | 22.11                  | 21.95                |                     |          |  |
| 3                     | 16QAM      | 1       | 8         | 22.07               | 22.06                  | 22.15                |                     |          |  |
| 3                     | 16QAM      | 1       | 14        | 22.00               | 22.09                  | 21.94                | 22                  | 2        |  |
| 3                     | 16QAM      | 8       | 0         | 20.68               | 20.79                  | 20.69                |                     |          |  |
| 3                     | 16QAM      | 8       | 4         | 20.84               | 20.75                  | 20.82                |                     |          |  |
| 3                     | 16QAM      | 8       | 7         | 20.84               | 20.88                  | 20.93                | 22                  | 2        |  |
| 3                     | 16QAM      | 15      | 0         | 20.89               | 20.76                  | 20.71                |                     |          |  |
| 3                     | 64QAM      | 1       | 0         | 20.80               | 21.00                  | 20.89                |                     |          |  |
| 3                     | 64QAM      | 1       | 8         | 20.89               | 20.92                  | 20.79                | 22                  | 2        |  |
| 3                     | 64QAM      | 1       | 14        | 20.83               | 21.11                  | 20.79                |                     |          |  |
| 3                     | 64QAM      | 8       | 0         | 19.55               | 19.56                  | 19.64                |                     |          |  |
| 3                     | 64QAM      | 8       | 4         | 19.85               | 19.62                  | 19.75                | 21                  | 3        |  |
| 3                     | 64QAM      | 8       | 7         | 19.81               | 19.76                  | 19.83                |                     |          |  |
| 3                     | 64QAM      | 15      | 0         | 19.60               | 19.74                  | 19.64                |                     |          |  |
| Channel               |            |         |           | 18607               | 18900                  | 19193                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 1850.7              | 1880                   | 1909.3               |                     |          |  |
| 1.4                   | QPSK       | 1       | 0         | 22.47               | 22.39                  | 22.49                | 24                  | 0        |  |
| 1.4                   | QPSK       | 1       | 3         | 22.59               | 22.56                  | 22.60                |                     |          |  |
| 1.4                   | QPSK       | 1       | 5         | 22.47               | 22.65                  | 22.38                |                     |          |  |
| 1.4                   | QPSK       | 3       | 0         | 22.33               | 22.34                  | 22.53                | 23                  | 1        |  |
| 1.4                   | QPSK       | 3       | 1         | 22.64               | 22.61                  | 22.65                |                     |          |  |
| 1.4                   | QPSK       | 3       | 3         | 22.56               | 22.72                  | 22.62                |                     |          |  |
| 1.4                   | QPSK       | 6       | 0         | 21.85               | 21.65                  | 21.81                | 23                  | 1        |  |
| 1.4                   | 16QAM      | 1       | 0         | 22.03               | 22.08                  | 21.91                |                     |          |  |
| 1.4                   | 16QAM      | 1       | 3         | 22.05               | 22.02                  | 22.12                |                     |          |  |
| 1.4                   | 16QAM      | 1       | 5         | 21.88               | 22.08                  | 21.91                | 22                  | 2        |  |
| 1.4                   | 16QAM      | 3       | 0         | 21.63               | 21.75                  | 21.63                |                     |          |  |
| 1.4                   | 16QAM      | 3       | 1         | 21.78               | 21.67                  | 21.74                |                     |          |  |
| 1.4                   | 16QAM      | 3       | 3         | 21.79               | 21.82                  | 21.80                | 22                  | 2        |  |
| 1.4                   | 16QAM      | 6       | 0         | 20.87               | 20.73                  | 20.68                |                     |          |  |
| 1.4                   | 64QAM      | 1       | 0         | 20.74               | 20.98                  | 20.85                |                     |          |  |
| 1.4                   | 64QAM      | 1       | 3         | 20.86               | 20.86                  | 20.73                | 22                  | 2        |  |
| 1.4                   | 64QAM      | 3       | 0         | 20.47               | 20.51                  | 20.58                |                     |          |  |
| 1.4                   | 64QAM      | 3       | 1         | 20.80               | 20.54                  | 20.71                |                     |          |  |
| 1.4                   | 64QAM      | 3       | 3         | 20.75               | 20.76                  | 20.78                | 21                  | 3        |  |
| 1.4                   | 64QAM      | 6       | 0         | 19.54               | 19.71                  | 19.58                |                     |          |  |

| Band 5 (Cellular Band)<br>Part 22H(only on channel required) |            |         |           |                        |                           |                         |                           |             |  |  |                           |             |  |
|--------------------------------------------------------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|---------------------------|-------------|--|--|---------------------------|-------------|--|
| BW (MHz)                                                     | Modulation | RB Size | RB Offset | Power Low<br>Ch. Freq. | Power Middle<br>Ch. Freq. | Power High<br>Ch. Freq. | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |  |                           |             |  |
| Channel                                                      |            |         |           | 20450                  | 20525                     | 20600                   |                           |             |  |  |                           |             |  |
| Frequency (MHz)                                              |            |         |           | 829                    | 836.5                     | 844                     |                           |             |  |  |                           |             |  |
| 10                                                           | QPSK       | 1       | 0         | 22.59                  | 22.94                     | 22.74                   | 24                        | 0           |  |  |                           |             |  |
| 10                                                           | QPSK       | 1       | 25        | 22.61                  | 22.61                     | 22.83                   |                           |             |  |  |                           |             |  |
| 10                                                           | QPSK       | 1       | 49        | 22.64                  | 22.45                     | 22.73                   |                           |             |  |  |                           |             |  |
| 10                                                           | QPSK       | 25      | 0         | 21.82                  | 21.80                     | 21.63                   |                           |             |  |  |                           |             |  |
| 10                                                           | QPSK       | 25      | 12        | 21.89                  | 21.82                     | 21.59                   | 23                        | 1           |  |  |                           |             |  |
| 10                                                           | QPSK       | 25      | 25        | 21.88                  | 21.83                     | 21.57                   |                           |             |  |  |                           |             |  |
| 10                                                           | QPSK       | 50      | 0         | 21.86                  | 21.87                     | 21.58                   |                           |             |  |  |                           |             |  |
| 10                                                           | 16QAM      | 1       | 0         | 21.96                  | 21.97                     | 21.77                   |                           |             |  |  |                           |             |  |
| 10                                                           | 16QAM      | 1       | 25        | 21.95                  | 22.04                     | 21.96                   | 23                        | 1           |  |  |                           |             |  |
| 10                                                           | 16QAM      | 1       | 49        | 22.05                  | 21.95                     | 21.78                   |                           |             |  |  |                           |             |  |
| 10                                                           | 16QAM      | 25      | 0         | 20.97                  | 20.75                     | 20.63                   |                           |             |  |  |                           |             |  |
| 10                                                           | 16QAM      | 25      | 12        | 20.99                  | 20.85                     | 20.66                   |                           |             |  |  |                           |             |  |
| 10                                                           | 16QAM      | 25      | 25        | 20.93                  | 20.91                     | 20.65                   | 22                        | 2           |  |  |                           |             |  |
| 10                                                           | 16QAM      | 50      | 0         | 20.93                  | 20.90                     | 20.67                   |                           |             |  |  |                           |             |  |
| 10                                                           | 64QAM      | 1       | 0         | 21.08                  | 20.73                     | 20.75                   |                           |             |  |  |                           |             |  |
| 10                                                           | 64QAM      | 1       | 25        | 21.03                  | 20.91                     | 20.86                   |                           |             |  |  |                           |             |  |
| 10                                                           | 64QAM      | 1       | 49        | 20.68                  | 20.97                     | 20.87                   | 21                        | 3           |  |  |                           |             |  |
| 10                                                           | 64QAM      | 25      | 0         | 20.00                  | 19.71                     | 19.69                   |                           |             |  |  |                           |             |  |
| 10                                                           | 64QAM      | 25      | 12        | 19.86                  | 19.89                     | 19.87                   |                           |             |  |  |                           |             |  |
| 10                                                           | 64QAM      | 25      | 25        | 20.80                  | 19.79                     | 20.09                   |                           |             |  |  |                           |             |  |
| 10                                                           | 64QAM      | 50      | 0         | 19.80                  | 19.68                     | 19.69                   |                           |             |  |  |                           |             |  |
| Channel                                                      |            |         |           | 20425                  | 20525                     | 20625                   | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |  |                           |             |  |
| Frequency (MHz)                                              |            |         |           | 826.5                  | 836.5                     | 846.5                   |                           |             |  |  |                           |             |  |
| 5                                                            | QPSK       | 1       | 0         | 22.56                  | 22.35                     | 22.27                   | 24                        | 0           |  |  |                           |             |  |
| 5                                                            | QPSK       | 1       | 12        | 22.57                  | 22.53                     | 22.34                   |                           |             |  |  |                           |             |  |
| 5                                                            | QPSK       | 1       | 24        | 22.56                  | 22.42                     | 22.22                   |                           |             |  |  |                           |             |  |
| 5                                                            | QPSK       | 12      | 0         | 21.79                  | 21.64                     | 21.55                   |                           |             |  |  |                           |             |  |
| 5                                                            | QPSK       | 12      | 7         | 21.85                  | 21.79                     | 21.55                   | 23                        | 1           |  |  |                           |             |  |
| 5                                                            | QPSK       | 12      | 13        | 21.85                  | 21.75                     | 21.54                   |                           |             |  |  |                           |             |  |
| 5                                                            | QPSK       | 25      | 0         | 21.82                  | 21.68                     | 21.52                   |                           |             |  |  |                           |             |  |
| 5                                                            | 16QAM      | 1       | 0         | 22.15                  | 21.84                     | 21.69                   |                           |             |  |  |                           |             |  |
| 5                                                            | 16QAM      | 1       | 12        | 22.14                  | 22.00                     | 21.78                   | 23                        | 1           |  |  |                           |             |  |
| 5                                                            | 16QAM      | 1       | 24        | 21.97                  | 21.87                     | 21.74                   |                           |             |  |  |                           |             |  |
| 5                                                            | 16QAM      | 12      | 0         | 20.89                  | 20.71                     | 20.60                   |                           |             |  |  |                           |             |  |
| 5                                                            | 16QAM      | 12      | 7         | 20.95                  | 20.82                     | 20.62                   |                           |             |  |  |                           |             |  |
| 5                                                            | 16QAM      | 12      | 13        | 20.90                  | 20.83                     | 20.61                   | 22                        | 2           |  |  |                           |             |  |
| 5                                                            | 16QAM      | 25      | 0         | 20.89                  | 20.72                     | 20.64                   |                           |             |  |  |                           |             |  |
| 5                                                            | 64QAM      | 1       | 0         | 21.00                  | 20.70                     | 20.71                   |                           |             |  |  |                           |             |  |
| 5                                                            | 64QAM      | 1       | 12        | 20.99                  | 20.87                     | 20.78                   |                           |             |  |  |                           |             |  |
| 5                                                            | 64QAM      | 1       | 24        | 20.85                  | 20.93                     | 20.83                   | 22                        | 2           |  |  |                           |             |  |
| 5                                                            | 64QAM      | 12      | 0         | 19.96                  | 19.67                     | 19.65                   |                           |             |  |  |                           |             |  |
| 5                                                            | 64QAM      | 12      | 7         | 19.78                  | 19.81                     | 19.84                   |                           |             |  |  |                           |             |  |
| 5                                                            | 64QAM      | 12      | 13        | 19.86                  | 19.76                     | 19.86                   |                           |             |  |  |                           |             |  |
| 5                                                            | 64QAM      | 25      | 0         | 19.77                  | 19.64                     | 19.65                   | 21                        | 3           |  |  |                           |             |  |
| Channel                                                      |            |         |           | 20415                  | 20525                     | 20635                   |                           |             |  |  | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)                                              |            |         |           | 825.5                  | 836.5                     | 847.5                   |                           |             |  |  |                           |             |  |
| 3                                                            | QPSK       | 1       | 0         | 22.56                  | 22.37                     | 22.32                   | 24                        | 0           |  |  |                           |             |  |
| 3                                                            | QPSK       | 1       | 8         | 22.59                  | 22.58                     | 22.34                   |                           |             |  |  |                           |             |  |
| 3                                                            | QPSK       | 1       | 14        | 22.61                  | 22.43                     | 22.22                   |                           |             |  |  |                           |             |  |
| 3                                                            | QPSK       | 8       | 0         | 21.76                  | 21.62                     | 21.60                   |                           |             |  |  |                           |             |  |
| 3                                                            | QPSK       | 8       | 4         | 21.86                  | 21.79                     | 21.55                   | 23                        | 1           |  |  |                           |             |  |
| 3                                                            | QPSK       | 8       | 7         | 21.82                  | 21.81                     | 21.54                   |                           |             |  |  |                           |             |  |
| 3                                                            | QPSK       | 15      | 0         | 21.84                  | 21.66                     | 21.50                   |                           |             |  |  |                           |             |  |
| 3                                                            | 16QAM      | 1       | 0         | 22.15                  | 21.84                     | 21.73                   |                           |             |  |  |                           |             |  |
| 3                                                            | 16QAM      | 1       | 8         | 22.14                  | 22.00                     | 21.83                   | 23                        | 1           |  |  |                           |             |  |
| 3                                                            | 16QAM      | 1       | 14        | 22.03                  | 21.92                     | 21.75                   |                           |             |  |  |                           |             |  |
| 3                                                            | 16QAM      | 8       | 0         | 20.94                  | 20.73                     | 20.59                   |                           |             |  |  |                           |             |  |
| 3                                                            | 16QAM      | 8       | 4         | 20.95                  | 20.79                     | 20.60                   |                           |             |  |  |                           |             |  |
| 3                                                            | 16QAM      | 8       | 7         | 20.90                  | 20.87                     | 20.63                   | 22                        | 2           |  |  |                           |             |  |
| 3                                                            | 16QAM      | 15      | 0         | 20.91                  | 20.77                     | 20.64                   |                           |             |  |  |                           |             |  |
| 3                                                            | 64QAM      | 1       | 0         | 21.02                  | 20.69                     | 20.71                   |                           |             |  |  |                           |             |  |
| 3                                                            | 64QAM      | 1       | 8         | 21.00                  | 20.85                     | 20.80                   |                           |             |  |  |                           |             |  |
| 3                                                            | 64QAM      | 1       | 14        | 20.86                  | 20.95                     | 20.84                   | 22                        | 2           |  |  |                           |             |  |
| 3                                                            | 64QAM      | 8       | 0         | 19.94                  | 19.68                     | 19.65                   |                           |             |  |  |                           |             |  |
| 3                                                            | 64QAM      | 8       | 4         | 19.83                  | 19.83                     | 19.85                   |                           |             |  |  |                           |             |  |
| 3                                                            | 64QAM      | 8       | 7         | 19.86                  | 19.77                     | 20.06                   |                           |             |  |  |                           |             |  |
| 3                                                            | 64QAM      | 15      | 0         | 19.74                  | 19.65                     | 19.63                   |                           |             |  |  |                           |             |  |
| Channel                                                      |            |         |           | 20407                  | 20525                     | 20643                   | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |  |                           |             |  |
| Frequency (MHz)                                              |            |         |           | 824.7                  | 836.5                     | 848.3                   |                           |             |  |  |                           |             |  |
| 1.4                                                          | QPSK       | 1       | 0         | 22.53                  | 22.31                     | 22.29                   | 24                        | 0           |  |  |                           |             |  |
| 1.4                                                          | QPSK       | 1       | 3         | 22.57                  | 22.55                     | 22.31                   |                           |             |  |  |                           |             |  |
| 1.4                                                          | QPSK       | 1       | 5         | 22.58                  | 22.41                     | 22.18                   |                           |             |  |  |                           |             |  |
| 1.4                                                          | QPSK       | 3       | 0         | 22.48                  | 22.34                     | 22.35                   |                           |             |  |  |                           |             |  |
| 1.4                                                          | QPSK       | 3       | 1         | 22.61                  | 22.54                     | 22.29                   | 23                        | 1           |  |  |                           |             |  |
| 1.4                                                          | QPSK       | 3       | 3         | 22.54                  | 22.57                     | 22.29                   |                           |             |  |  |                           |             |  |
| 1.4                                                          | QPSK       | 6       | 0         | 21.82                  | 21.60                     | 21.44                   |                           |             |  |  |                           |             |  |
| 1.4                                                          | 16QAM      | 1       | 0         | 22.12                  | 21.91                     | 21.69                   |                           |             |  |  |                           |             |  |
| 1.4                                                          | 16QAM      | 1       | 3         | 22.10                  | 21.96                     | 21.80                   | 23                        | 1           |  |  |                           |             |  |
| 1.4                                                          | 16QAM      | 1       | 5         | 22.01                  | 21.89                     | 21.72                   |                           |             |  |  |                           |             |  |
| 1.4                                                          | 16QAM      | 3       | 0         | 21.59                  | 21.39                     | 21.23                   |                           |             |  |  |                           |             |  |
| 1.4                                                          | 16QAM      | 3       | 1         | 21.59                  | 21.41                     | 21.22                   |                           |             |  |  |                           |             |  |
| 1.4                                                          | 16QAM      | 3       | 3         | 21.55                  | 21.51                     | 21.29                   | 22                        | 2           |  |  |                           |             |  |
| 1.4                                                          | 16QAM      | 6       | 0         | 20.89                  | 20.74                     | 20.61                   |                           |             |  |  |                           |             |  |
| 1.4                                                          | 64QAM      | 1       | 0         | 20.96                  | 20.65                     | 20.67                   |                           |             |  |  |                           |             |  |
| 1.4                                                          | 64QAM      | 1       | 3         | 20.97                  | 20.79                     | 20.74                   |                           |             |  |  |                           |             |  |
| 1.4                                                          | 64QAM      | 1       | 5         | 20.84                  | 20.93                     | 20.81                   | 22                        | 2           |  |  |                           |             |  |
| 1.4                                                          | 64QAM      | 3       | 0         | 20.56                  | 20.74                     | 20.85                   |                           |             |  |  |                           |             |  |
| 1.4                                                          | 64QAM      | 3       | 1         | 20.48                  | 20.45                     | 20.84                   |                           |             |  |  |                           |             |  |
| 1.4                                                          | 64QAM      | 3       | 3         | 20.60                  | 20.43                     | 20.71                   |                           |             |  |  |                           |             |  |
| 1.4                                                          | 64QAM      | 6       | 0         | 19.68                  | 19.62                     | 19.57                   | 21                        | 3           |  |  |                           |             |  |

| Band 7 (2600MHz Band)<br>Part 27 |            |         |           |                        |                           |                         |                           |             |  |  |                           |             |  |  |
|----------------------------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|---------------------------|-------------|--|--|---------------------------|-------------|--|--|
| BW (MHz)                         | Modulation | RB Size | RB Offset | Power Low<br>Ch. Freq. | Power Middle<br>Ch. Freq. | Power High<br>Ch. Freq. | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |  |                           |             |  |  |
| Channel                          |            |         |           | 20850                  | 21100                     | 21350                   |                           |             |  |  |                           |             |  |  |
| Frequency (MHz)                  |            |         |           | 2510                   | 2535                      | 2560                    |                           |             |  |  |                           |             |  |  |
| 20                               | QPSK       | 1       | 0         | 22.76                  | 23.06                     | 22.84                   | 24                        | 0           |  |  |                           |             |  |  |
| 20                               | QPSK       | 1       | 49        | 22.71                  | 22.60                     | 22.82                   |                           |             |  |  |                           |             |  |  |
| 20                               | QPSK       | 1       | 99        | 22.69                  | 22.63                     | 22.84                   |                           |             |  |  |                           |             |  |  |
| 20                               | QPSK       | 50      | 24        | 22.00                  | 22.11                     | 21.99                   |                           |             |  |  |                           |             |  |  |
| 20                               | QPSK       | 50      | 24        | 22.10                  | 21.93                     | 21.91                   | 23                        | 1           |  |  |                           |             |  |  |
| 20                               | QPSK       | 50      | 50        | 22.04                  | 21.88                     | 21.79                   |                           |             |  |  |                           |             |  |  |
| 20                               | QPSK       | 100     | 0         | 21.97                  | 21.99                     | 21.83                   |                           |             |  |  |                           |             |  |  |
| 20                               | 16QAM      | 1       | 0         | 21.84                  | 21.83                     | 22.13                   |                           |             |  |  |                           |             |  |  |
| 20                               | 16QAM      | 1       | 49        | 22.25                  | 22.27                     | 22.08                   | 23                        | 1           |  |  |                           |             |  |  |
| 20                               | 16QAM      | 1       | 99        | 22.12                  | 22.07                     | 22.00                   |                           |             |  |  |                           |             |  |  |
| 20                               | 16QAM      | 50      | 0         | 21.02                  | 20.91                     | 21.01                   |                           |             |  |  |                           |             |  |  |
| 20                               | 16QAM      | 50      | 24        | 21.08                  | 21.00                     | 20.92                   |                           |             |  |  |                           |             |  |  |
| 20                               | 16QAM      | 50      | 50        | 21.03                  | 20.87                     | 20.75                   | 22                        | 2           |  |  |                           |             |  |  |
| 20                               | 16QAM      | 100     | 0         | 21.01                  | 20.90                     | 20.79                   |                           |             |  |  |                           |             |  |  |
| 20                               | 64QAM      | 1       | 0         | 21.25                  | 21.12                     | 21.14                   |                           |             |  |  |                           |             |  |  |
| 20                               | 64QAM      | 1       | 49        | 21.05                  | 21.03                     | 20.99                   |                           |             |  |  |                           |             |  |  |
| 20                               | 64QAM      | 1       | 99        | 21.07                  | 21.00                     | 20.91                   | 22                        | 2           |  |  |                           |             |  |  |
| 20                               | 64QAM      | 50      | 0         | 19.99                  | 20.01                     | 19.96                   |                           |             |  |  |                           |             |  |  |
| 20                               | 64QAM      | 50      | 24        | 20.09                  | 20.01                     | 19.91                   | 21                        | 3           |  |  |                           |             |  |  |
| 20                               | 64QAM      | 50      | 50        | 20.05                  | 19.95                     | 19.87                   |                           |             |  |  |                           |             |  |  |
| 20                               | 64QAM      | 100     | 0         | 19.99                  | 19.83                     | 19.88                   |                           |             |  |  |                           |             |  |  |
| Channel                          |            |         |           | 20825                  | 21100                     | 21375                   |                           |             |  |  | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |  |
| Frequency (MHz)                  |            |         |           | 2507.5                 | 2535                      | 2562.5                  |                           |             |  |  |                           |             |  |  |
| 15                               | QPSK       | 1       | 0         | 22.85                  | 22.70                     | 22.61                   | 24                        | 0           |  |  |                           |             |  |  |
| 15                               | QPSK       | 1       | 37        | 22.77                  | 22.68                     | 22.53                   |                           |             |  |  |                           |             |  |  |
| 15                               | QPSK       | 1       | 74        | 22.80                  | 22.69                     | 22.52                   |                           |             |  |  |                           |             |  |  |
| 15                               | QPSK       | 36      | 0         | 22.10                  | 21.98                     | 21.85                   |                           |             |  |  |                           |             |  |  |
| 15                               | QPSK       | 36      | 20        | 22.14                  | 21.94                     | 22.00                   | 23                        | 1           |  |  |                           |             |  |  |
| 15                               | QPSK       | 36      | 39        | 22.06                  | 21.95                     | 21.92                   |                           |             |  |  |                           |             |  |  |
| 15                               | QPSK       | 75      | 0         | 22.08                  | 21.91                     | 21.89                   |                           |             |  |  |                           |             |  |  |
| 15                               | 16QAM      | 1       | 0         | 21.84                  | 21.84                     | 21.95                   |                           |             |  |  |                           |             |  |  |
| 15                               | 16QAM      | 1       | 37        | 22.04                  | 22.25                     | 22.01                   | 23                        | 1           |  |  |                           |             |  |  |
| 15                               | 16QAM      | 1       | 74        | 22.26                  | 22.22                     | 22.07                   |                           |             |  |  |                           |             |  |  |
| 15                               | 16QAM      | 36      | 0         | 21.13                  | 20.99                     | 20.97                   |                           |             |  |  |                           |             |  |  |
| 15                               | 16QAM      | 36      | 20        | 21.10                  | 20.95                     | 20.98                   |                           |             |  |  |                           |             |  |  |
| 15                               | 16QAM      | 36      | 39        | 21.07                  | 20.86                     | 20.89                   | 22                        | 2           |  |  |                           |             |  |  |
| 15                               | 16QAM      | 75      | 0         | 20.99                  | 20.86                     | 20.88                   |                           |             |  |  |                           |             |  |  |
| 15                               | 64QAM      | 1       | 0         | 21.30                  | 21.08                     | 21.10                   |                           |             |  |  |                           |             |  |  |
| 15                               | 64QAM      | 1       | 37        | 21.17                  | 21.22                     | 21.04                   |                           |             |  |  |                           |             |  |  |
| 15                               | 64QAM      | 1       | 74        | 20.99                  | 21.04                     | 20.85                   | 22                        | 2           |  |  |                           |             |  |  |
| 15                               | 64QAM      | 36      | 0         | 20.87                  | 19.97                     | 19.94                   |                           |             |  |  |                           |             |  |  |
| 15                               | 64QAM      | 36      | 39        | 20.87                  | 20.17                     | 20.18                   |                           |             |  |  |                           |             |  |  |
| 15                               | 64QAM      | 36      | 39        | 20.11                  | 20.01                     | 19.86                   |                           |             |  |  |                           |             |  |  |
| 15                               | 64QAM      | 75      | 0         | 20.11                  | 19.90                     | 19.96                   | 21                        | 3           |  |  |                           |             |  |  |
| Channel                          |            |         |           | 20800                  | 21100                     | 21400                   |                           |             |  |  | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |  |
| Frequency (MHz)                  |            |         |           | 2505                   | 2535                      | 2565                    |                           |             |  |  |                           |             |  |  |
| 10                               | QPSK       | 1       | 0         | 22.74                  | 22.69                     | 22.62                   |                           |             |  |  | 24                        | 0           |  |  |
| 10                               | QPSK       | 1       | 25        | 22.73                  | 22.64                     | 22.54                   |                           |             |  |  |                           |             |  |  |
| 10                               | QPSK       | 1       | 49        | 22.68                  | 22.63                     | 22.58                   |                           |             |  |  |                           |             |  |  |
| 10                               | QPSK       | 25      | 0         | 22.11                  | 21.92                     | 21.92                   |                           |             |  |  |                           |             |  |  |
| 10                               | QPSK       | 25      | 12        | 22.11                  | 21.90                     | 21.93                   | 23                        | 1           |  |  |                           |             |  |  |
| 10                               | QPSK       | 25      | 25        | 22.08                  | 21.97                     | 21.87                   |                           |             |  |  |                           |             |  |  |
| 10                               | QPSK       | 50      | 0         | 22.01                  | 21.83                     | 21.80                   |                           |             |  |  |                           |             |  |  |
| 10                               | 16QAM      | 1       | 0         | 21.95                  | 22.12                     | 22.11                   |                           |             |  |  |                           |             |  |  |
| 10                               | 16QAM      | 1       | 25        | 21.84                  | 22.26                     | 22.09                   | 23                        | 1           |  |  |                           |             |  |  |
| 10                               | 16QAM      | 1       | 49        | 21.94                  | 22.24                     | 22.16                   |                           |             |  |  |                           |             |  |  |
| 10                               | 16QAM      | 25      | 0         | 21.07                  | 20.89                     | 20.88                   |                           |             |  |  |                           |             |  |  |
| 10                               | 16QAM      | 25      | 12        | 21.04                  | 20.97                     | 20.90                   |                           |             |  |  |                           |             |  |  |
| 10                               | 16QAM      | 25      | 25        | 21.06                  | 20.86                     | 20.85                   | 22                        | 2           |  |  |                           |             |  |  |
| 10                               | 16QAM      | 50      | 0         | 20.97                  | 20.93                     | 20.84                   |                           |             |  |  |                           |             |  |  |
| 10                               | 64QAM      | 1       | 0         | 21.28                  | 21.23                     | 21.17                   |                           |             |  |  |                           |             |  |  |
| 10                               | 64QAM      | 1       | 25        | 21.19                  | 21.14                     | 21.08                   |                           |             |  |  |                           |             |  |  |
| 10                               | 64QAM      | 1       | 49        | 21.19                  | 21.04                     | 21.08                   | 22                        | 2           |  |  |                           |             |  |  |
| 10                               | 64QAM      | 25      | 0         | 20.19                  | 20.17                     | 20.18                   |                           |             |  |  |                           |             |  |  |
| 10                               | 64QAM      | 25      | 12        | 20.10                  | 19.95                     | 19.89                   |                           |             |  |  |                           |             |  |  |
| 10                               | 64QAM      | 25      | 25        | 20.07                  | 19.96                     | 19.87                   |                           |             |  |  |                           |             |  |  |
| 10                               | 64QAM      | 50      | 0         | 20.02                  | 19.87                     | 19.83                   | 21                        | 3           |  |  |                           |             |  |  |
| Channel                          |            |         |           | 20775                  | 21100                     | 21425                   |                           |             |  |  | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |  |
| Frequency (MHz)                  |            |         |           | 2502.5                 | 2535                      | 2567.5                  |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 1       | 0         | 22.80                  | 22.65                     | 22.57                   |                           |             |  |  | 24                        | 0           |  |  |
| 5                                | QPSK       | 1       | 12        | 22.77                  | 22.67                     | 22.57                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 1       | 24        | 22.76                  | 22.69                     | 22.58                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 12      | 0         | 22.03                  | 22.00                     | 21.92                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 12      | 7         | 22.08                  | 22.04                     | 21.85                   | 23                        | 1           |  |  |                           |             |  |  |
| 5                                | QPSK       | 12      | 13        | 22.10                  | 21.99                     | 21.86                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 25      | 0         | 22.10                  | 21.89                     | 21.90                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 1       | 0         | 21.96                  | 22.12                     | 22.19                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 1       | 12        | 22.06                  | 22.24                     | 22.15                   | 23                        | 1           |  |  |                           |             |  |  |
| 5                                | 16QAM      | 1       | 24        | 21.93                  | 22.24                     | 22.15                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 12      | 0         | 21.12                  | 21.02                     | 20.94                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 12      | 7         | 21.16                  | 21.12                     | 20.93                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 12      | 13        | 21.06                  | 20.99                     | 20.87                   | 22                        | 2           |  |  |                           |             |  |  |
| 5                                | 16QAM      | 25      | 0         | 21.09                  | 20.99                     | 20.86                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 1       | 0         | 21.25                  | 21.16                     | 21.14                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 1       | 12        | 21.27                  | 21.12                     | 21.14                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 1       | 24        | 21.27                  | 21.14                     | 21.02                   | 22                        | 2           |  |  |                           |             |  |  |
| 5                                | 64QAM      | 12      | 0         | 20.19                  | 20.17                     | 20.18                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 12      | 7         | 20.13                  | 20.11                     | 20.01                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 12      | 13        | 20.10                  | 20.02                     | 19.97                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 25      | 0         | 20.10                  | 19.99                     | 19.80                   | 21                        | 3           |  |  |                           |             |  |  |
| Channel                          |            |         |           | 20750                  | 21100                     | 21400                   |                           |             |  |  | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |  |
| Frequency (MHz)                  |            |         |           | 2500                   | 2535                      | 2565                    |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 1       | 0         | 22.80                  | 22.65                     | 22.57                   |                           |             |  |  | 24                        | 0           |  |  |
| 5                                | QPSK       | 1       | 12        | 22.77                  | 22.67                     | 22.57                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 1       | 24        | 22.76                  | 22.69                     | 22.58                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 12      | 0         | 22.03                  | 22.00                     | 21.92                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 12      | 7         | 22.08                  | 22.04                     | 21.85                   | 23                        | 1           |  |  |                           |             |  |  |
| 5                                | QPSK       | 12      | 13        | 22.10                  | 21.99                     | 21.86                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 25      | 0         | 22.10                  | 21.89                     | 21.90                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 1       | 0         | 21.96                  | 22.12                     | 22.19                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 1       | 12        | 22.06                  | 22.24                     | 22.15                   | 23                        | 1           |  |  |                           |             |  |  |
| 5                                | 16QAM      | 1       | 24        | 21.93                  | 22.24                     | 22.15                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 12      | 0         | 21.12                  | 21.02                     | 20.94                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 12      | 7         | 21.16                  | 21.12                     | 20.93                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 12      | 13        | 21.06                  | 20.99                     | 20.87                   | 22                        | 2           |  |  |                           |             |  |  |
| 5                                | 16QAM      | 25      | 0         | 21.09                  | 20.99                     | 20.86                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 1       | 0         | 21.25                  | 21.16                     | 21.14                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 1       | 12        | 21.27                  | 21.12                     | 21.14                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 1       | 24        | 21.27                  | 21.14                     | 21.02                   | 22                        | 2           |  |  |                           |             |  |  |
| 5                                | 64QAM      | 12      | 0         | 20.19                  | 20.17                     | 20.18                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 12      | 7         | 20.13                  | 20.11                     | 20.01                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 12      | 13        | 20.10                  | 20.02                     | 19.97                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 25      | 0         | 20.10                  | 19.99                     | 19.80                   | 21                        | 3           |  |  |                           |             |  |  |
| Channel                          |            |         |           | 20750                  | 21100                     | 21400                   |                           |             |  |  | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |  |
| Frequency (MHz)                  |            |         |           | 2500                   | 2535                      | 2565                    |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 1       | 0         | 22.80                  | 22.65                     | 22.57                   |                           |             |  |  | 24                        | 0           |  |  |
| 5                                | QPSK       | 1       | 12        | 22.77                  | 22.67                     | 22.57                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 1       | 24        | 22.76                  | 22.69                     | 22.58                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 12      | 0         | 22.03                  | 22.00                     | 21.92                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 12      | 7         | 22.08                  | 22.04                     | 21.85                   | 23                        | 1           |  |  |                           |             |  |  |
| 5                                | QPSK       | 12      | 13        | 22.10                  | 21.99                     | 21.86                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 25      | 0         | 22.10                  | 21.89                     | 21.90                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 1       | 0         | 21.96                  | 22.12                     | 22.19                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 1       | 12        | 22.06                  | 22.24                     | 22.15                   | 23                        | 1           |  |  |                           |             |  |  |
| 5                                | 16QAM      | 1       | 24        | 21.93                  | 22.24                     | 22.15                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 12      | 0         | 21.12                  | 21.02                     | 20.94                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 12      | 7         | 21.16                  | 21.12                     | 20.93                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 12      | 13        | 21.06                  | 20.99                     | 20.87                   | 22                        | 2           |  |  |                           |             |  |  |
| 5                                | 16QAM      | 25      | 0         | 21.09                  | 20.99                     | 20.86                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 1       | 0         | 21.25                  | 21.16                     | 21.14                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 1       | 12        | 21.27                  | 21.12                     | 21.14                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 1       | 24        | 21.27                  | 21.14                     | 21.02                   | 22                        | 2           |  |  |                           |             |  |  |
| 5                                | 64QAM      | 12      | 0         | 20.19                  | 20.17                     | 20.18                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 12      | 7         | 20.13                  | 20.11                     | 20.01                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 12      | 13        | 20.10                  | 20.02                     | 19.97                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 25      | 0         | 20.10                  | 19.99                     | 19.80                   | 21                        | 3           |  |  |                           |             |  |  |
| Channel                          |            |         |           | 20750                  | 21100                     | 21400                   |                           |             |  |  | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |  |
| Frequency (MHz)                  |            |         |           | 2500                   | 2535                      | 2565                    |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 1       | 0         | 22.80                  | 22.65                     | 22.57                   |                           |             |  |  | 24                        | 0           |  |  |
| 5                                | QPSK       | 1       | 12        | 22.77                  | 22.67                     | 22.57                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 1       | 24        | 22.76                  | 22.69                     | 22.58                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 12      | 0         | 22.03                  | 22.00                     | 21.92                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 12      | 7         | 22.08                  | 22.04                     | 21.85                   | 23                        | 1           |  |  |                           |             |  |  |
| 5                                | QPSK       | 12      | 13        | 22.10                  | 21.99                     | 21.86                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 25      | 0         | 22.10                  | 21.89                     | 21.90                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 1       | 0         | 21.96                  | 22.12                     | 22.19                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 1       | 12        | 22.06                  | 22.24                     | 22.15                   | 23                        | 1           |  |  |                           |             |  |  |
| 5                                | 16QAM      | 1       | 24        | 21.93                  | 22.24                     | 22.15                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 12      | 0         | 21.12                  | 21.02                     | 20.94                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 12      | 7         | 21.16                  | 21.12                     | 20.93                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 12      | 13        | 21.06                  | 20.99                     | 20.87                   | 22                        | 2           |  |  |                           |             |  |  |
| 5                                | 16QAM      | 25      | 0         | 21.09                  | 20.99                     | 20.86                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 1       | 0         | 21.25                  | 21.16                     | 21.14                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 1       | 12        | 21.27                  | 21.12                     | 21.14                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 1       | 24        | 21.27                  | 21.14                     | 21.02                   | 22                        | 2           |  |  |                           |             |  |  |
| 5                                | 64QAM      | 12      | 0         | 20.19                  | 20.17                     | 20.18                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 12      | 7         | 20.13                  | 20.11                     | 20.01                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 12      | 13        | 20.10                  | 20.02                     | 19.97                   |                           |             |  |  |                           |             |  |  |
| 5                                | 64QAM      | 25      | 0         | 20.10                  | 19.99                     | 19.80                   | 21                        | 3           |  |  |                           |             |  |  |
| Channel                          |            |         |           | 20750                  | 21100                     | 21400                   |                           |             |  |  | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |  |
| Frequency (MHz)                  |            |         |           | 2500                   | 2535                      | 2565                    |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 1       | 0         | 22.80                  | 22.65                     | 22.57                   |                           |             |  |  | 24                        | 0           |  |  |
| 5                                | QPSK       | 1       | 12        | 22.77                  | 22.67                     | 22.57                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 1       | 24        | 22.76                  | 22.69                     | 22.58                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 12      | 0         | 22.03                  | 22.00                     | 21.92                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 12      | 7         | 22.08                  | 22.04                     | 21.85                   | 23                        | 1           |  |  |                           |             |  |  |
| 5                                | QPSK       | 12      | 13        | 22.10                  | 21.99                     | 21.86                   |                           |             |  |  |                           |             |  |  |
| 5                                | QPSK       | 25      | 0         | 22.10                  | 21.89                     | 21.90                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 1       | 0         | 21.96                  | 22.12                     | 22.19                   |                           |             |  |  |                           |             |  |  |
| 5                                | 16QAM      | 1       | 12        | 22.06                  | 22.24                     | 22.15                   | 23                        | 1           |  |  |                           |             |  |  |
| 5                                | 16QAM      | 1       | 24        | 21.93                  |                           |                         |                           |             |  |  |                           |             |  |  |

| Band 12 (700MHz Low Band)<br>Part 27F (only on channel required) |            |         |           |                       |                          |                        |                     |          |  |                     |          |  |
|------------------------------------------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|---------------------|----------|--|
| 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                                                          |            |         |           | 23090                 | 23095                    | 23130                  |                     |          |  |                     |          |  |
| Frequency (MHz)                                                  |            |         |           | 704                   | 707.5                    | 711                    |                     |          |  |                     |          |  |
| 10                                                               | QPSK       | 1       | 0         | 22.74                 | 22.92                    | 22.73                  | 24                  | 0        |  |                     |          |  |
| 10                                                               | QPSK       | 1       | 25        | 22.57                 | 22.59                    | 22.74                  |                     |          |  |                     |          |  |
| 10                                                               | QPSK       | 1       | 49        | 22.64                 | 22.52                    | 22.46                  |                     |          |  |                     |          |  |
| 10                                                               | QPSK       | 25      | 0         | 21.76                 | 21.86                    | 21.80                  |                     |          |  |                     |          |  |
| 10                                                               | QPSK       | 25      | 12        | 21.81                 | 21.81                    | 21.95                  | 23                  | 1        |  |                     |          |  |
| 10                                                               | QPSK       | 25      | 25        | 21.83                 | 21.77                    | 21.76                  |                     |          |  |                     |          |  |
| 10                                                               | QPSK       | 50      | 0         | 21.88                 | 21.89                    | 21.81                  |                     |          |  |                     |          |  |
| 10                                                               | 16QAM      | 1       | 0         | 22.06                 | 22.07                    | 21.96                  |                     |          |  |                     |          |  |
| 10                                                               | 16QAM      | 1       | 25        | 21.93                 | 22.02                    | 22.13                  | 23                  | 1        |  |                     |          |  |
| 10                                                               | 16QAM      | 1       | 49        | 22.06                 | 22.07                    | 21.97                  |                     |          |  |                     |          |  |
| 10                                                               | 16QAM      | 25      | 0         | 20.77                 | 20.80                    | 20.80                  |                     |          |  |                     |          |  |
| 10                                                               | 16QAM      | 25      | 12        | 20.87                 | 20.82                    | 20.89                  |                     |          |  |                     |          |  |
| 10                                                               | 16QAM      | 25      | 25        | 20.78                 | 20.84                    | 20.77                  | 22                  | 2        |  |                     |          |  |
| 10                                                               | 16QAM      | 50      | 0         | 20.85                 | 20.85                    | 20.77                  |                     |          |  |                     |          |  |
| 10                                                               | 64QAM      | 1       | 0         | 21.03                 | 20.94                    | 21.14                  |                     |          |  |                     |          |  |
| 10                                                               | 64QAM      | 1       | 25        | 21.21                 | 21.19                    | 21.21                  |                     |          |  |                     |          |  |
| 10                                                               | 64QAM      | 1       | 49        | 20.99                 | 20.89                    | 20.86                  | 22                  | 2        |  |                     |          |  |
| 10                                                               | 64QAM      | 25      | 0         | 19.70                 | 19.69                    | 19.79                  |                     |          |  |                     |          |  |
| 10                                                               | 64QAM      | 25      | 12        | 19.95                 | 19.86                    | 19.94                  |                     |          |  |                     |          |  |
| 10                                                               | 64QAM      | 25      | 25        | 19.84                 | 19.84                    | 19.76                  |                     |          |  |                     |          |  |
| 10                                                               | 64QAM      | 50      | 0         | 19.80                 | 19.88                    | 19.84                  | 21                  | 3        |  |                     |          |  |
| Channel                                                          |            |         |           | 23035                 | 23095                    | 23155                  |                     |          |  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)                                                  |            |         |           | 701.5                 | 707.5                    | 713.5                  |                     |          |  |                     |          |  |
| 5                                                                | QPSK       | 1       | 0         | 22.53                 | 22.45                    | 22.55                  |                     |          |  | 24                  | 0        |  |
| 5                                                                | QPSK       | 1       | 12        | 22.55                 | 22.56                    | 22.45                  |                     |          |  |                     |          |  |
| 5                                                                | QPSK       | 1       | 24        | 22.61                 | 22.37                    | 22.42                  |                     |          |  |                     |          |  |
| 5                                                                | QPSK       | 12      | 0         | 21.70                 | 21.68                    | 21.77                  |                     |          |  |                     |          |  |
| 5                                                                | QPSK       | 12      | 7         | 21.78                 | 21.78                    | 21.91                  | 23                  | 1        |  |                     |          |  |
| 5                                                                | QPSK       | 12      | 13        | 21.77                 | 21.75                    | 21.73                  |                     |          |  |                     |          |  |
| 5                                                                | QPSK       | 25      | 0         | 21.86                 | 21.66                    | 21.75                  |                     |          |  |                     |          |  |
| 5                                                                | 16QAM      | 1       | 0         | 22.03                 | 22.04                    | 21.96                  |                     |          |  |                     |          |  |
| 5                                                                | 16QAM      | 1       | 12        | 21.80                 | 21.96                    | 22.10                  | 23                  | 1        |  |                     |          |  |
| 5                                                                | 16QAM      | 1       | 24        | 22.04                 | 22.04                    | 21.94                  |                     |          |  |                     |          |  |
| 5                                                                | 16QAM      | 12      | 0         | 20.74                 | 20.78                    | 20.76                  |                     |          |  |                     |          |  |
| 5                                                                | 16QAM      | 12      | 7         | 20.83                 | 20.76                    | 20.83                  |                     |          |  |                     |          |  |
| 5                                                                | 16QAM      | 12      | 13        | 20.75                 | 20.80                    | 20.75                  | 22                  | 2        |  |                     |          |  |
| 5                                                                | 16QAM      | 25      | 0         | 20.83                 | 20.82                    | 20.74                  |                     |          |  |                     |          |  |
| 5                                                                | 64QAM      | 1       | 0         | 20.97                 | 20.90                    | 21.10                  |                     |          |  |                     |          |  |
| 5                                                                | 64QAM      | 1       | 12        | 21.18                 | 21.13                    | 21.15                  |                     |          |  |                     |          |  |
| 5                                                                | 64QAM      | 1       | 24        | 20.97                 | 20.87                    | 20.83                  | 22                  | 2        |  |                     |          |  |
| 5                                                                | 64QAM      | 12      | 0         | 19.64                 | 19.66                    | 19.75                  |                     |          |  |                     |          |  |
| 5                                                                | 64QAM      | 12      | 7         | 19.92                 | 19.80                    | 19.92                  |                     |          |  |                     |          |  |
| 5                                                                | 64QAM      | 12      | 13        | 19.80                 | 19.82                    | 19.75                  |                     |          |  |                     |          |  |
| 5                                                                | 64QAM      | 25      | 0         | 19.74                 | 19.85                    | 19.78                  | 21                  | 3        |  |                     |          |  |
| Channel                                                          |            |         |           | 23025                 | 23095                    | 23165                  |                     |          |  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)                                                  |            |         |           | 700.5                 | 707.5                    | 714.5                  |                     |          |  |                     |          |  |
| 3                                                                | QPSK       | 1       | 0         | 22.50                 | 22.39                    | 22.52                  |                     |          |  | 24                  | 0        |  |
| 3                                                                | QPSK       | 1       | 8         | 22.53                 | 22.53                    | 22.42                  |                     |          |  |                     |          |  |
| 3                                                                | QPSK       | 1       | 14        | 22.58                 | 22.35                    | 22.38                  |                     |          |  |                     |          |  |
| 3                                                                | QPSK       | 8       | 0         | 21.84                 | 21.82                    | 21.74                  |                     |          |  |                     |          |  |
| 3                                                                | QPSK       | 8       | 4         | 21.75                 | 21.75                    | 21.87                  | 23                  | 1        |  |                     |          |  |
| 3                                                                | QPSK       | 8       | 7         | 21.71                 | 21.73                    | 21.70                  |                     |          |  |                     |          |  |
| 3                                                                | QPSK       | 15      | 0         | 21.84                 | 21.60                    | 21.69                  |                     |          |  |                     |          |  |
| 3                                                                | 16QAM      | 1       | 0         | 22.00                 | 22.01                    | 21.85                  |                     |          |  |                     |          |  |
| 3                                                                | 16QAM      | 1       | 8         | 21.85                 | 21.94                    | 22.07                  | 23                  | 1        |  |                     |          |  |
| 3                                                                | 16QAM      | 1       | 14        | 22.02                 | 22.01                    | 21.91                  |                     |          |  |                     |          |  |
| 3                                                                | 16QAM      | 8       | 0         | 20.71                 | 20.76                    | 20.72                  |                     |          |  |                     |          |  |
| 3                                                                | 16QAM      | 8       | 4         | 20.79                 | 20.70                    | 20.77                  |                     |          |  |                     |          |  |
| 3                                                                | 16QAM      | 8       | 7         | 20.72                 | 20.76                    | 20.73                  | 22                  | 2        |  |                     |          |  |
| 3                                                                | 16QAM      | 15      | 0         | 20.81                 | 20.59                    | 21.01                  |                     |          |  |                     |          |  |
| 3                                                                | 64QAM      | 1       | 0         | 20.91                 | 20.86                    | 21.06                  |                     |          |  |                     |          |  |
| 3                                                                | 64QAM      | 1       | 8         | 21.15                 | 21.07                    | 21.09                  |                     |          |  |                     |          |  |
| 3                                                                | 64QAM      | 1       | 14        | 20.95                 | 20.85                    | 20.80                  | 22                  | 2        |  |                     |          |  |
| 3                                                                | 64QAM      | 8       | 0         | 19.58                 | 19.63                    | 19.71                  |                     |          |  |                     |          |  |
| 3                                                                | 64QAM      | 8       | 4         | 19.89                 | 19.74                    | 19.90                  |                     |          |  |                     |          |  |
| 3                                                                | 64QAM      | 8       | 7         | 19.76                 | 19.80                    | 19.72                  |                     |          |  |                     |          |  |
| 3                                                                | 64QAM      | 15      | 0         | 19.68                 | 19.82                    | 19.72                  | 21                  | 3        |  |                     |          |  |
| Channel                                                          |            |         |           | 23017                 | 23095                    | 23173                  |                     |          |  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)                                                  |            |         |           | 699.7                 | 707.5                    | 715.3                  |                     |          |  |                     |          |  |
| 1.4                                                              | QPSK       | 1       | 0         | 22.47                 | 22.33                    | 22.49                  |                     |          |  | 24                  | 0        |  |
| 1.4                                                              | QPSK       | 1       | 3         | 22.51                 | 22.50                    | 22.39                  |                     |          |  |                     |          |  |
| 1.4                                                              | QPSK       | 1       | 5         | 22.55                 | 22.33                    | 22.34                  |                     |          |  |                     |          |  |
| 1.4                                                              | QPSK       | 3       | 0         | 22.36                 | 22.34                    | 22.49                  |                     |          |  |                     |          |  |
| 1.4                                                              | QPSK       | 3       | 1         | 22.50                 | 22.50                    | 22.61                  | 23                  | 1        |  |                     |          |  |
| 1.4                                                              | QPSK       | 3       | 3         | 22.43                 | 22.49                    | 22.45                  |                     |          |  |                     |          |  |
| 1.4                                                              | QPSK       | 6       | 0         | 21.82                 | 21.64                    | 21.63                  |                     |          |  |                     |          |  |
| 1.4                                                              | 16QAM      | 1       | 0         | 21.97                 | 21.98                    | 22.13                  |                     |          |  |                     |          |  |
| 1.4                                                              | 16QAM      | 1       | 3         | 21.81                 | 21.90                    | 22.04                  | 23                  | 1        |  |                     |          |  |
| 1.4                                                              | 16QAM      | 1       | 5         | 22.00                 | 21.98                    | 21.88                  |                     |          |  |                     |          |  |
| 1.4                                                              | 16QAM      | 3       | 0         | 21.70                 | 21.76                    | 21.70                  |                     |          |  |                     |          |  |
| 1.4                                                              | 16QAM      | 3       | 1         | 21.77                 | 21.66                    | 21.73                  |                     |          |  |                     |          |  |
| 1.4                                                              | 16QAM      | 3       | 3         | 21.71                 | 21.74                    | 21.73                  | 22                  | 2        |  |                     |          |  |
| 1.4                                                              | 16QAM      | 6       | 0         | 20.79                 | 20.56                    | 20.68                  |                     |          |  |                     |          |  |
| 1.4                                                              | 64QAM      | 1       | 0         | 20.85                 | 20.82                    | 21.02                  |                     |          |  |                     |          |  |
| 1.4                                                              | 64QAM      | 1       | 3         | 21.12                 | 21.01                    | 21.03                  |                     |          |  |                     |          |  |
| 1.4                                                              | 64QAM      | 1       | 5         | 20.93                 | 20.83                    | 20.77                  | 22                  | 2        |  |                     |          |  |
| 1.4                                                              | 64QAM      | 3       | 0         | 20.88                 | 20.96                    | 21.03                  |                     |          |  |                     |          |  |
| 1.4                                                              | 64QAM      | 3       | 1         | 21.22                 | 21.04                    | 21.24                  |                     |          |  |                     |          |  |
| 1.4                                                              | 64QAM      | 3       | 3         | 21.08                 | 21.14                    | 21.05                  |                     |          |  |                     |          |  |
| 1.4                                                              | 64QAM      | 6       | 0         | 19.82                 | 19.79                    | 19.86                  | 21                  | 3        |  |                     |          |  |

| Band 13(700MHz Band)<br>Part 27F |            |         |           |                             |                                |                              |                           | Turn-up<br>limit<br>(dBm) | MPR<br>(dB) |
|----------------------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|---------------------------|---------------------------|-------------|
| 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. |                           |                           |             |
| Channel                          |            |         |           | 23200                       | 23230                          | 23260                        |                           |                           |             |
| Frequency (MHz)                  |            |         |           | 782                         |                                |                              | 24                        | 0                         |             |
| 10                               | QPSK       | 1       | 0         |                             | 22.82                          |                              |                           |                           |             |
| 10                               | QPSK       | 1       | 25        |                             | 22.71                          |                              |                           |                           |             |
| 10                               | QPSK       | 1       | 49        |                             | 22.53                          |                              |                           |                           |             |
| 10                               | QPSK       | 25      | 0         |                             | 21.84                          |                              | 23                        | 1                         |             |
| 10                               | QPSK       | 25      | 12        |                             | 21.83                          |                              |                           |                           |             |
| 10                               | QPSK       | 25      | 25        |                             | 21.79                          |                              |                           |                           |             |
| 10                               | QPSK       | 50      | 0         |                             | 21.81                          |                              | 23                        | 1                         |             |
| 10                               | 16QAM      | 1       | 0         |                             | 22.81                          |                              |                           |                           |             |
| 10                               | 16QAM      | 1       | 25        |                             | 22.91                          |                              |                           |                           |             |
| 10                               | 16QAM      | 1       | 49        |                             | 22.91                          |                              |                           |                           |             |
| 10                               | 16QAM      | 25      | 0         |                             | 20.76                          |                              | 22                        | 2                         |             |
| 10                               | 16QAM      | 25      | 12        |                             | 20.82                          |                              |                           |                           |             |
| 10                               | 16QAM      | 25      | 25        |                             | 20.68                          |                              |                           |                           |             |
| 10                               | 16QAM      | 50      | 0         |                             | 20.75                          |                              |                           |                           |             |
| 10                               | 64QAM      | 1       | 0         |                             | 20.93                          |                              | 22                        | 2                         |             |
| 10                               | 64QAM      | 1       | 25        |                             | 20.87                          |                              |                           |                           |             |
| 10                               | 64QAM      | 1       | 49        |                             | 20.85                          |                              |                           |                           |             |
| 10                               | 64QAM      | 25      | 0         |                             | 19.88                          |                              |                           |                           |             |
| 10                               | 64QAM      | 25      | 12        |                             | 19.86                          |                              | 21                        | 3                         |             |
| 10                               | 64QAM      | 25      | 25        |                             | 19.85                          |                              |                           |                           |             |
| Channel                          |            |         |           | 23205                       | 23230                          | 23255                        | Turn-up<br>limit<br>(dBm) | MPR<br>(dB)               |             |
| Frequency (MHz)                  |            |         |           | 779.5                       | 782                            | 784.5                        |                           |                           |             |
| 5                                | QPSK       | 1       | 0         | 22.36                       | 22.50                          | 22.43                        | 24 <th rowspan="4">0</th> | 0                         |             |
| 5                                | QPSK       | 1       | 12        | 22.47                       | 22.50                          | 22.56                        |                           |                           |             |
| 5                                | QPSK       | 1       | 24        | 22.46                       | 22.48                          | 22.51                        |                           |                           |             |
| 5                                | QPSK       | 12      | 0         | 21.72                       | 21.70                          | 21.73                        |                           |                           |             |
| 5                                | QPSK       | 12      | 7         | 21.79                       | 21.79                          | 21.84                        | 23                        | 1                         |             |
| 5                                | QPSK       | 12      | 13        | 21.72                       | 21.80                          | 21.85                        |                           |                           |             |
| 5                                | QPSK       | 25      | 0         | 21.74                       | 21.81                          | 21.70                        |                           |                           |             |
| 5                                | 16QAM      | 1       | 0         | 21.76                       | 22.02                          | 21.94                        |                           |                           |             |
| 5                                | 16QAM      | 1       | 12        | 21.93                       | 22.02                          | 22.03                        | 23                        | 1                         |             |
| 5                                | 16QAM      | 1       | 24        | 21.94                       | 22.02                          | 22.02                        |                           |                           |             |
| 5                                | 16QAM      | 12      | 0         | 20.73                       | 20.76                          | 20.78                        |                           |                           |             |
| 5                                | 16QAM      | 12      | 7         | 20.85                       | 20.85                          | 20.85                        |                           |                           |             |
| 5                                | 16QAM      | 12      | 13        | 20.75                       | 20.79                          | 20.86                        | 22                        | 2                         |             |
| 5                                | 16QAM      | 25      | 0         | 20.76                       | 20.77                          | 20.71                        |                           |                           |             |
| 5                                | 64QAM      | 1       | 0         | 20.67                       | 20.86                          | 20.88                        |                           |                           |             |
| 5                                | 64QAM      | 1       | 12        | 20.92                       | 20.90                          | 20.88                        |                           |                           |             |
| 5                                | 64QAM      | 1       | 24        | 20.91                       | 20.92                          | 20.89                        | 22                        | 2                         |             |
| 5                                | 64QAM      | 12      | 0         | 19.76                       | 19.76                          | 19.85                        |                           |                           |             |
| 5                                | 64QAM      | 12      | 7         | 19.89                       | 19.84                          | 19.82                        |                           |                           |             |
| 5                                | 64QAM      | 12      | 13        | 19.82                       | 19.87                          | 19.87                        |                           |                           |             |
| 5                                | 64QAM      | 25      | 0         | 19.70                       | 19.82                          | 19.78                        | 21                        | 3                         |             |

| Band 17 (700MHz Band)              |            |         |           |                       |                          |                        |                     |          |  |
|------------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| Part 27H(only on channel required) |            |         |           |                       |                          |                        |                     |          |  |
| 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                            |            |         |           | 23760                 | 23790                    | 23800                  |                     |          |  |
| Frequency (MHz)                    |            |         |           | 709                   | 710                      | 711                    |                     |          |  |
| 10                                 | QPSK       | 1       | 0         | 22.63                 | 22.80                    | 22.62                  | 24                  | 0        |  |
| 10                                 | QPSK       | 1       | 25        | 22.54                 | 22.57                    | 22.53                  |                     |          |  |
| 10                                 | QPSK       | 1       | 49        | 22.61                 | 22.50                    | 22.37                  |                     |          |  |
| 10                                 | QPSK       | 25      | 0         | 21.85                 | 21.85                    | 21.85                  | 23                  | 1        |  |
| 10                                 | QPSK       | 25      | 12        | 21.94                 | 21.83                    | 21.86                  |                     |          |  |
| 10                                 | QPSK       | 25      | 25        | 21.81                 | 21.87                    | 21.85                  |                     |          |  |
| 10                                 | QPSK       | 50      | 0         | 21.84                 | 21.87                    | 21.84                  | 23                  | 1        |  |
| 10                                 | 16QAM      | 1       | 0         | 21.85                 | 21.76                    | 21.84                  |                     |          |  |
| 10                                 | 16QAM      | 1       | 25        | 21.96                 | 21.74                    | 21.85                  |                     |          |  |
| 10                                 | 16QAM      | 1       | 49        | 21.73                 | 21.83                    | 22.01                  | 22                  | 2        |  |
| 10                                 | 16QAM      | 25      | 0         | 20.90                 | 20.78                    | 20.81                  |                     |          |  |
| 10                                 | 16QAM      | 25      | 12        | 20.85                 | 20.81                    | 20.89                  |                     |          |  |
| 10                                 | 16QAM      | 25      | 25        | 20.79                 | 20.87                    | 20.81                  | 22                  | 2        |  |
| 10                                 | 16QAM      | 50      | 0         | 20.92                 | 20.93                    | 20.85                  |                     |          |  |
| 10                                 | 64QAM      | 1       | 0         | 20.96                 | 21.02                    | 21.11                  |                     |          |  |
| 10                                 | 64QAM      | 1       | 25        | 21.00                 | 21.05                    | 21.07                  | 22                  | 2        |  |
| 10                                 | 64QAM      | 1       | 49        | 20.83                 | 20.83                    | 20.93                  |                     |          |  |
| 10                                 | 64QAM      | 25      | 0         | 19.88                 | 19.88                    | 19.89                  |                     |          |  |
| 10                                 | 64QAM      | 25      | 12        | 19.98                 | 19.93                    | 19.93                  | 21                  | 3        |  |
| 10                                 | 64QAM      | 25      | 25        | 19.92                 | 19.90                    | 19.96                  |                     |          |  |
| 10                                 | 64QAM      | 50      | 0         | 19.94                 | 19.81                    | 19.83                  |                     |          |  |
| Channel                            |            |         |           | 23755                 | 23790                    | 23825                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)                    |            |         |           | 706.5                 | 710                      | 713.5                  |                     |          |  |
| 5                                  | QPSK       | 1       | 0         | 22.53                 | 22.42                    | 22.47                  | 24                  | 0        |  |
| 5                                  | QPSK       | 1       | 12        | 22.54                 | 22.57                    | 22.61                  |                     |          |  |
| 5                                  | QPSK       | 1       | 24        | 22.47                 | 22.53                    | 22.52                  |                     |          |  |
| 5                                  | QPSK       | 12      | 0         | 21.81                 | 21.80                    | 21.87                  | 23                  | 1        |  |
| 5                                  | QPSK       | 12      | 7         | 21.94                 | 21.89                    | 21.84                  |                     |          |  |
| 5                                  | QPSK       | 12      | 13        | 21.92                 | 21.90                    | 21.83                  |                     |          |  |
| 5                                  | QPSK       | 25      | 0         | 21.83                 | 21.82                    | 21.77                  | 23                  | 1        |  |
| 5                                  | 16QAM      | 1       | 0         | 21.98                 | 21.74                    | 21.73                  |                     |          |  |
| 5                                  | 16QAM      | 1       | 12        | 21.85                 | 21.84                    | 21.83                  |                     |          |  |
| 5                                  | 16QAM      | 1       | 24        | 21.74                 | 21.94                    | 21.83                  | 22                  | 2        |  |
| 5                                  | 16QAM      | 12      | 0         | 20.83                 | 20.86                    | 20.83                  |                     |          |  |
| 5                                  | 16QAM      | 12      | 7         | 20.97                 | 20.86                    | 20.89                  |                     |          |  |
| 5                                  | 16QAM      | 12      | 13        | 20.90                 | 20.92                    | 20.89                  | 22                  | 2        |  |
| 5                                  | 16QAM      | 25      | 0         | 20.94                 | 20.85                    | 20.86                  |                     |          |  |
| 5                                  | 64QAM      | 1       | 0         | 20.92                 | 20.97                    | 21.01                  |                     |          |  |
| 5                                  | 64QAM      | 1       | 12        | 21.04                 | 20.93                    | 21.00                  | 22                  | 2        |  |
| 5                                  | 64QAM      | 1       | 24        | 20.94                 | 20.94                    | 20.91                  |                     |          |  |
| 5                                  | 64QAM      | 12      | 0         | 19.88                 | 19.88                    | 19.90                  |                     |          |  |
| 5                                  | 64QAM      | 12      | 7         | 19.98                 | 19.98                    | 19.93                  | 21                  | 3        |  |
| 5                                  | 64QAM      | 12      | 13        | 19.94                 | 19.94                    | 19.98                  |                     |          |  |
| 5                                  | 64QAM      | 25      | 0         | 19.91                 | 19.92                    | 19.86                  |                     |          |  |

| Band 66         |            |         |           |                     |                        |                      |                     |          |  |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|
| 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         |            |         |           | 132072              | 132322                 | 132572               |                     |          |  |
| Frequency (MHz) |            |         |           | 1720                | 1745                   | 1770                 |                     |          |  |
| 20              | QPSK       | 1       | 0         | 22.45               | 22.64                  | 22.44                | 24                  | 0        |  |
| 20              | QPSK       | 1       | 49        | 22.25               | 22.34                  | 22.34                |                     |          |  |
| 20              | QPSK       | 1       | 99        | 22.33               | 22.45                  | 22.43                |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.42               | 21.45                  | 21.29                | 23                  | 1        |  |
| 20              | QPSK       | 50      | 24        | 21.40               | 21.40                  | 21.35                |                     |          |  |
| 20              | QPSK       | 50      | 50        | 21.35               | 21.36                  | 21.30                |                     |          |  |
| 20              | QPSK       | 100     | 0         | 21.36               | 21.36                  | 21.33                | 23                  | 1        |  |
| 20              | 16QAM      | 1       | 0         | 21.78               | 21.78                  | 21.62                |                     |          |  |
| 20              | 16QAM      | 1       | 49        | 21.69               | 21.72                  | 21.54                |                     |          |  |
| 20              | 16QAM      | 1       | 99        | 21.45               | 21.52                  | 21.51                | 22                  | 2        |  |
| 20              | 16QAM      | 50      | 0         | 20.42               | 20.33                  | 20.42                |                     |          |  |
| 20              | 16QAM      | 50      | 24        | 20.38               | 20.47                  | 20.39                |                     |          |  |
| 20              | 16QAM      | 50      | 50        | 20.38               | 20.42                  | 20.30                | 22                  | 2        |  |
| 20              | 16QAM      | 100     | 0         | 20.44               | 20.30                  | 20.36                |                     |          |  |
| 20              | 64QAM      | 1       | 0         | 20.45               | 20.48                  | 20.43                |                     |          |  |
| 20              | 64QAM      | 1       | 49        | 20.50               | 20.35                  | 20.29                | 22                  | 2        |  |
| 20              | 64QAM      | 1       | 99        | 20.45               | 20.22                  | 20.31                |                     |          |  |
| 20              | 64QAM      | 50      | 0         | 19.45               | 19.31                  | 19.38                |                     |          |  |
| 20              | 64QAM      | 50      | 24        | 19.41               | 19.42                  | 19.27                | 21                  | 3        |  |
| 20              | 64QAM      | 50      | 50        | 19.35               | 19.39                  | 19.31                |                     |          |  |
| 20              | 64QAM      | 100     | 0         | 19.44               | 19.35                  | 19.35                |                     |          |  |
| Channel         |            |         |           | 132047              | 132322                 | 132572               | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5              | 1745                   | 1772.5               |                     |          |  |
| 15              | QPSK       | 1       | 0         | 22.41               | 22.47                  | 22.45                | 24                  | 0        |  |
| 15              | QPSK       | 1       | 37        | 22.63               | 22.60                  | 22.41                |                     |          |  |
| 15              | QPSK       | 1       | 74        | 22.43               | 22.34                  | 22.47                |                     |          |  |
| 15              | QPSK       | 36      | 0         | 21.64               | 21.63                  | 21.61                | 23                  | 1        |  |
| 15              | QPSK       | 36      | 20        | 21.82               | 21.67                  | 21.64                |                     |          |  |
| 15              | QPSK       | 36      | 39        | 21.67               | 21.65                  | 21.66                |                     |          |  |
| 15              | QPSK       | 75      | 0         | 21.74               | 21.80                  | 21.65                | 23                  | 1        |  |
| 15              | 16QAM      | 1       | 0         | 21.78               | 21.84                  | 21.85                |                     |          |  |
| 15              | 16QAM      | 1       | 37        | 21.66               | 21.56                  | 21.67                |                     |          |  |
| 15              | 16QAM      | 1       | 74        | 21.60               | 21.73                  | 21.57                | 22                  | 2        |  |
| 15              | 16QAM      | 36      | 0         | 20.67               | 20.64                  | 20.67                |                     |          |  |
| 15              | 16QAM      | 36      | 20        | 20.81               | 20.71                  | 20.67                |                     |          |  |
| 15              | 16QAM      | 36      | 39        | 20.71               | 20.66                  | 20.66                | 22                  | 2        |  |
| 15              | 16QAM      | 75      | 0         | 20.67               | 20.61                  | 20.57                |                     |          |  |
| 15              | 64QAM      | 1       | 0         | 20.48               | 20.50                  | 20.53                |                     |          |  |
| 15              | 64QAM      | 1       | 37        | 20.51               | 20.71                  | 20.68                | 22                  | 2        |  |
| 15              | 64QAM      | 1       | 74        | 20.47               | 20.59                  | 20.41                |                     |          |  |
| 15              | 64QAM      | 36      | 0         | 19.64               | 19.57                  | 19.64                |                     |          |  |
| 15              | 64QAM      | 36      | 20        | 19.84               | 19.54                  | 19.70                | 21                  | 3        |  |
| 15              | 64QAM      | 36      | 39        | 19.46               | 19.66                  | 19.67                |                     |          |  |
| 15              | 64QAM      | 75      | 0         | 19.73               | 19.59                  | 19.67                |                     |          |  |
| Channel         |            |         |           | 132022              | 132322                 | 132622               | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                | 1745                   | 1775                 |                     |          |  |
| 10              | QPSK       | 1       | 0         | 22.38               | 22.41                  | 22.42                | 24                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 22.61               | 22.57                  | 22.38                |                     |          |  |
| 10              | QPSK       | 1       | 49        | 22.40               | 22.32                  | 22.43                |                     |          |  |
| 10              | QPSK       | 25      | 0         | 21.58               | 21.57                  | 21.58                | 23                  | 1        |  |
| 10              | QPSK       | 25      | 12        | 21.79               | 21.64                  | 21.60                |                     |          |  |
| 10              | QPSK       | 25      | 25        | 21.61               | 21.63                  | 21.63                |                     |          |  |
| 10              | QPSK       | 50      | 0         | 21.72               | 21.54                  | 21.59                | 23                  | 1        |  |
| 10              | 16QAM      | 1       | 0         | 21.75               | 21.81                  | 21.81                |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 21.67               | 21.55                  | 21.55                |                     |          |  |
| 10              | 16QAM      | 1       | 49        | 21.58               | 21.70                  | 21.54                | 22                  | 2        |  |
| 10              | 16QAM      | 25      | 0         | 20.64               | 20.62                  | 20.63                |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 20.77               | 20.65                  | 20.61                |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 20.68               | 20.62                  | 20.64                | 22                  | 2        |  |
| 10              | 16QAM      | 50      | 0         | 20.65               | 20.58                  | 20.54                |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 20.42               | 20.46                  | 20.49                |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 20.48               | 20.65                  | 20.62                | 22                  | 2        |  |
| 10              | 64QAM      | 1       | 49        | 20.45               | 20.57                  | 20.38                |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 19.58               | 19.54                  | 19.60                |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 19.81               | 19.48                  | 19.68                | 21                  | 3        |  |
| 10              | 64QAM      | 25      | 25        | 19.42               | 19.66                  | 19.67                |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 19.67               | 19.56                  | 19.61                |                     |          |  |
| Channel         |            |         |           | 131987              | 132322                 | 132657               | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5              | 1745                   | 1777.5               |                     |          |  |
| 5               | QPSK       | 1       | 0         | 22.35               | 22.35                  | 22.39                | 24                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 22.59               | 22.54                  | 22.35                |                     |          |  |
| 5               | QPSK       | 1       | 24        | 22.27               | 22.30                  | 22.39                |                     |          |  |
| 5               | QPSK       | 12      | 0         | 21.52               | 21.51                  | 21.55                | 23                  | 1        |  |
| 5               | QPSK       | 12      | 7         | 21.76               | 21.61                  | 21.56                |                     |          |  |
| 5               | QPSK       | 12      | 13        | 21.55               | 21.61                  | 21.60                |                     |          |  |
| 5               | QPSK       | 25      | 0         | 21.70               | 21.48                  | 21.53                | 23                  | 1        |  |
| 5               | 16QAM      | 1       | 0         | 21.72               | 21.78                  | 21.77                |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 21.84               | 21.81                  | 21.55                |                     |          |  |
| 5               | 16QAM      | 1       | 24        | 21.56               | 21.67                  | 21.51                | 22                  | 2        |  |
| 5               | 16QAM      | 12      | 0         | 20.61               | 20.60                  | 20.59                |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 20.73               | 20.58                  | 20.62                |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 20.63               | 20.59                  | 20.55                | 22                  | 2        |  |
| 5               | 16QAM      | 25      | 0         | 20.63               | 20.55                  | 20.51                |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 20.36               | 20.42                  | 20.45                |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 20.45               | 20.59                  | 20.56                | 22                  | 2        |  |
| 5               | 64QAM      | 1       | 24        | 20.43               | 20.55                  | 20.35                |                     |          |  |
| 5               | 64QAM      | 12      | 0         | 19.52               | 19.51                  | 19.56                |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 19.78               | 19.42                  | 19.66                | 21                  | 3        |  |
| 5               | 64QAM      | 12      | 13        | 19.38               | 19.54                  | 19.64                |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 19.61               | 19.53                  | 19.55                |                     |          |  |
| Channel         |            |         |           | 131987              | 132322                 | 132657               | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1711.5              | 1745                   | 1778.5               |                     |          |  |
| 3               | QPSK       | 1       | 0         | 22.08               | 22.05                  | 22.12                | 24                  | 0        |  |
| 3               | QPSK       | 1       | 8         | 22.33               | 22.27                  | 22.08                |                     |          |  |
| 3               | QPSK       | 1       | 14        | 22.10               | 22.04                  | 22.11                |                     |          |  |
| 3               | QPSK       | 8       | 0         | 21.46               | 21.45                  | 21.52                | 23                  | 1        |  |
| 3               | QPSK       | 8       | 4         | 21.73               | 21.58                  | 21.52                |                     |          |  |
| 3               | QPSK       | 8       | 7         | 21.49               | 21.59                  | 21.57                |                     |          |  |
| 3               | QPSK       | 15      | 0         | 21.68               | 21.42                  | 21.47                | 23                  | 1        |  |
| 3               | 16QAM      | 1       | 0         | 21.69               | 21.75                  | 21.73                |                     |          |  |
| 3               | 16QAM      | 1       | 8         | 21.80               | 21.86                  | 21.84                |                     |          |  |
| 3               | 16QAM      | 1       | 14        | 21.54               | 21.64                  | 21.48                | 22                  | 2        |  |
| 3               | 16QAM      | 8       | 0         | 20.58               | 20.58                  | 20.55                |                     |          |  |
| 3               | 16QAM      | 8       | 4         | 20.69               | 20.53                  | 20.49                |                     |          |  |
| 3               | 16QAM      | 8       | 7         | 20.62               | 20.54                  | 20.60                | 22                  | 2        |  |
| 3               | 16QAM      | 15      | 0         | 20.61               | 20.52                  | 20.48                |                     |          |  |
| 3               | 64QAM      | 1       | 0         | 20.30               | 20.38                  | 20.41                |                     |          |  |
| 3               | 64QAM      | 1       | 8         | 20.42               | 20.53                  | 20.50                | 22                  | 2        |  |
| 3               | 64QAM      | 1       | 14        | 20.41               | 20.53                  | 20.32                |                     |          |  |
| 3               | 64QAM      | 8       | 0         | 19.46               | 19.48                  | 19.52                |                     |          |  |
| 3               | 64QAM      | 8       | 4         | 19.75               | 19.36                  | 19.64                | 21                  | 3        |  |
| 3               | 64QAM      | 8       | 7         | 19.34               | 19.34                  | 19.61                |                     |          |  |
| 3               | 64QAM      | 15      | 0         | 19.55               | 19.50                  | 19.49                |                     |          |  |
| Channel         |            |         |           | 131979              | 132322                 | 132695               | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1710.5              | 1745                   | 1779.5               |                     |          |  |
| 1.4             | QPSK       | 1       | 0         | 22.25               | 22.19                  | 22.29                | 24                  | 0        |  |
| 1.4             | QPSK       | 1       | 3         | 22.51               | 22.44                  | 22.25                |                     |          |  |
| 1.4             | QPSK       | 1       | 5         | 22.27               | 22.34                  | 22.27                |                     |          |  |
| 1.4             | QPSK       | 3       | 0         | 22.38               | 22.37                  | 22.42                | 23                  | 1        |  |
| 1.4             | QPSK       | 3       | 1         | 22.48               | 22.53                  | 22.46                |                     |          |  |
| 1.4             | QPSK       | 3       | 3         | 22.41               | 22.55                  | 22.52                |                     |          |  |
| 1.4             | QPSK       | 6       | 0         | 21.86               | 21.56                  | 21.61                | 23                  | 1        |  |
| 1.4             | 16QAM      | 1       | 0         | 21.86               | 21.92                  | 21.89                |                     |          |  |
| 1.4             | 16QAM      | 1       | 8         | 21.80               | 21.86                  | 21.84                |                     |          |  |
| 1.4             | 16QAM      | 1       | 5         | 21.72               | 21.81                  | 21.65                | 23                  | 1        |  |
| 1.4             | 16QAM      | 3       | 0         | 21.77               | 21.78                  | 21.73                |                     |          |  |
| 1.4             | 16QAM      | 3       | 1         | 21.87               | 21.69                  | 21.80                |                     |          |  |
| 1.4             | 16QAM      | 6       | 0         | 20.78               | 20.52                  | 20.65                | 22                  | 2        |  |
| 1.4             | 16QAM      | 6       | 0         | 20.44               | 20.54                  | 20.57                |                     |          |  |
| 1.4             | 64QAM      | 1       | 3         | 20.59               | 20.67                  | 20.64                |                     |          |  |
| 1.4             | 64QAM      | 1       | 5         | 20.59               | 20.71                  | 20.49                | 22                  | 2        |  |
| 1.4             | 64QAM      | 3       | 0         | 20.44               | 20.49                  | 20.52                |                     |          |  |
| 1.4             | 64QAM      | 3       | 1         | 20.76               | 20.34                  | 20.66                |                     |          |  |
| 1.4             | 64QAM      | 3       | 3         | 20.34               | 20.34                  | 20.62                | 21                  | 3        |  |
| 1.4             | 64QAM      | 6       | 0         | 19.69               | 19.67                  | 19.63                |                     |          |  |
| 1.4             | 64QAM      | 6       | 0         | 19.69               | 19.67                  | 19.63                |                     |          |  |

## UAT-Full Power-DSI 2/3/4/6

| Band 2 (1900MHz Band)<br>Part 24E |            |         |           |                          |                             |                           |                        |             |  |
|-----------------------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]                          | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up<br>limit (dBm) | MPR<br>(dB) |  |
| Channel                           |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz)                   |            |         |           |                          |                             |                           |                        |             |  |
| 20                                | QPSK       | 1       | 0         | 21.91                    | 21.92                       | 21.82                     | 23                     | 0           |  |
| 20                                | QPSK       | 1       | 49        | 21.83                    | 21.71                       | 21.91                     |                        |             |  |
| 20                                | QPSK       | 1       | 99        | 21.87                    | 21.83                       | 21.83                     |                        |             |  |
| 20                                | QPSK       | 50      | 0         | 21.11                    | 21.13                       | 21.12                     |                        |             |  |
| 20                                | QPSK       | 50      | 24        | 21.13                    | 21.11                       | 21.11                     | 22                     | 1           |  |
| 20                                | QPSK       | 50      | 50        | 21.13                    | 21.18                       | 20.90                     |                        |             |  |
| 20                                | QPSK       | 100     | 0         | 20.74                    | 20.86                       | 20.72                     |                        |             |  |
| 20                                | 16QAM      | 1       | 0         | 20.83                    | 21.18                       | 21.16                     |                        |             |  |
| 20                                | 16QAM      | 1       | 49        | 20.91                    | 20.81                       | 20.99                     | 22                     | 1           |  |
| 20                                | 16QAM      | 1       | 99        | 21.05                    | 21.12                       | 21.18                     |                        |             |  |
| 20                                | 16QAM      | 50      | 0         | 20.25                    | 20.24                       | 20.23                     |                        |             |  |
| 20                                | 16QAM      | 50      | 24        | 20.36                    | 20.48                       | 20.47                     |                        |             |  |
| 20                                | 16QAM      | 50      | 50        | 20.32                    | 20.33                       | 20.53                     | 21                     | 2           |  |
| 20                                | 16QAM      | 100     | 0         | 20.30                    | 20.30                       | 20.36                     |                        |             |  |
| 20                                | 64QAM      | 1       | 0         | 20.51                    | 20.56                       | 20.58                     |                        |             |  |
| 20                                | 64QAM      | 1       | 49        | 20.28                    | 20.40                       | 20.35                     |                        |             |  |
| 20                                | 64QAM      | 1       | 99        | 20.56                    | 20.52                       | 20.51                     | 21                     | 2           |  |
| 20                                | 64QAM      | 50      | 0         | 19.06                    | 19.31                       | 19.35                     |                        |             |  |
| 20                                | 64QAM      | 50      | 24        | 19.07                    | 19.43                       | 19.56                     |                        |             |  |
| 20                                | 64QAM      | 50      | 50        | 19.08                    | 19.42                       | 19.08                     |                        |             |  |
| 20                                | 64QAM      | 100     | 0         | 19.32                    | 19.33                       | 19.30                     | 20                     | 3           |  |
| Channel                           |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz)                   |            |         |           |                          |                             |                           | Tune-up<br>limit (dBm) | MPR<br>(dB) |  |
| 15                                | QPSK       | 1       | 0         | 21.82                    | 21.81                       | 21.65                     | 23                     | 0           |  |
| 15                                | QPSK       | 1       | 37        | 21.60                    | 21.83                       | 21.77                     |                        |             |  |
| 15                                | QPSK       | 1       | 74        | 21.45                    | 21.47                       | 21.78                     |                        |             |  |
| 15                                | QPSK       | 36      | 0         | 20.82                    | 20.82                       | 20.90                     |                        |             |  |
| 15                                | QPSK       | 36      | 20        | 20.88                    | 20.91                       | 21.01                     | 22                     | 1           |  |
| 15                                | QPSK       | 36      | 39        | 20.84                    | 20.92                       | 21.10                     |                        |             |  |
| 15                                | QPSK       | 75      | 0         | 21.11                    | 21.18                       | 21.21                     |                        |             |  |
| 15                                | 16QAM      | 1       | 0         | 20.70                    | 20.95                       | 20.88                     |                        |             |  |
| 15                                | 16QAM      | 1       | 37        | 20.95                    | 21.07                       | 20.90                     | 22                     | 1           |  |
| 15                                | 16QAM      | 1       | 74        | 20.89                    | 21.06                       | 21.14                     |                        |             |  |
| 15                                | 16QAM      | 36      | 0         | 20.24                    | 20.24                       | 20.32                     |                        |             |  |
| 15                                | 16QAM      | 36      | 20        | 20.43                    | 20.32                       | 20.40                     |                        |             |  |
| 15                                | 16QAM      | 36      | 39        | 20.37                    | 20.37                       | 20.51                     | 21                     | 2           |  |
| 15                                | 16QAM      | 75      | 0         | 20.36                    | 20.36                       | 20.48                     |                        |             |  |
| 15                                | 64QAM      | 1       | 0         | 20.27                    | 20.50                       | 20.71                     |                        |             |  |
| 15                                | 64QAM      | 1       | 37        | 20.36                    | 20.37                       | 20.40                     |                        |             |  |
| 15                                | 64QAM      | 1       | 74        | 20.25                    | 20.58                       | 20.42                     | 21                     | 2           |  |
| 15                                | 64QAM      | 36      | 0         | 19.36                    | 19.34                       | 19.40                     |                        |             |  |
| 15                                | 64QAM      | 36      | 20        | 19.67                    | 19.47                       | 19.46                     |                        |             |  |
| 15                                | 64QAM      | 36      | 39        | 19.42                    | 19.52                       | 19.51                     |                        |             |  |
| 15                                | 64QAM      | 75      | 0         | 19.59                    | 19.51                       | 19.54                     | 20                     | 3           |  |
| Channel                           |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz)                   |            |         |           |                          |                             |                           | Tune-up<br>limit (dBm) | MPR<br>(dB) |  |
| 10                                | QPSK       | 1       | 0         | 21.54                    | 21.44                       | 21.03                     | 23                     | 0           |  |
| 10                                | QPSK       | 1       | 25        | 21.70                    | 21.69                       | 21.65                     |                        |             |  |
| 10                                | QPSK       | 1       | 49        | 21.52                    | 21.68                       | 21.84                     |                        |             |  |
| 10                                | QPSK       | 25      | 0         | 20.91                    | 20.74                       | 20.95                     |                        |             |  |
| 10                                | QPSK       | 25      | 12        | 20.95                    | 21.02                       | 21.03                     | 22                     | 1           |  |
| 10                                | QPSK       | 25      | 25        | 20.81                    | 20.83                       | 21.07                     |                        |             |  |
| 10                                | QPSK       | 50      | 0         | 21.08                    | 21.13                       | 21.26                     |                        |             |  |
| 10                                | 16QAM      | 1       | 0         | 21.09                    | 21.03                       | 21.26                     |                        |             |  |
| 10                                | 16QAM      | 1       | 25        | 21.18                    | 21.12                       | 21.13                     | 22                     | 1           |  |
| 10                                | 16QAM      | 1       | 49        | 21.13                    | 21.14                       | 21.12                     |                        |             |  |
| 10                                | 16QAM      | 25      | 0         | 20.36                    | 20.32                       | 20.38                     |                        |             |  |
| 10                                | 16QAM      | 25      | 12        | 20.46                    | 20.51                       | 20.57                     |                        |             |  |
| 10                                | 16QAM      | 25      | 25        | 20.25                    | 20.37                       | 20.48                     | 21                     | 2           |  |
| 10                                | 16QAM      | 50      | 0         | 20.30                    | 20.35                       | 20.45                     |                        |             |  |
| 10                                | 64QAM      | 1       | 0         | 20.39                    | 20.64                       | 20.49                     |                        |             |  |
| 10                                | 64QAM      | 1       | 25        | 20.62                    | 20.68                       | 20.66                     |                        |             |  |
| 10                                | 64QAM      | 1       | 49        | 20.24                    | 20.60                       | 20.51                     | 20                     | 3           |  |
| 10                                | 64QAM      | 25      | 0         | 19.47                    | 19.48                       | 19.56                     |                        |             |  |
| 10                                | 64QAM      | 25      | 12        | 19.57                    | 19.58                       | 19.64                     |                        |             |  |
| 10                                | 64QAM      | 25      | 25        | 19.67                    | 19.40                       | 19.61                     |                        |             |  |
| 10                                | 64QAM      | 50      | 0         | 19.39                    | 19.47                       | 19.58                     | 20                     | 3           |  |
| Channel                           |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz)                   |            |         |           |                          |                             |                           | Tune-up<br>limit (dBm) | MPR<br>(dB) |  |
| 5                                 | QPSK       | 1       | 0         | 21.48                    | 21.74                       | 21.73                     | 23                     | 0           |  |
| 5                                 | QPSK       | 1       | 12        | 21.85                    | 21.75                       | 21.83                     |                        |             |  |
| 5                                 | QPSK       | 1       | 24        | 21.85                    | 21.59                       | 21.73                     |                        |             |  |
| 5                                 | QPSK       | 12      | 0         | 20.99                    | 20.90                       | 21.12                     |                        |             |  |
| 5                                 | QPSK       | 12      | 7         | 20.97                    | 21.05                       | 21.11                     | 22                     | 1           |  |
| 5                                 | QPSK       | 12      | 13        | 20.86                    | 20.92                       | 21.06                     |                        |             |  |
| 5                                 | QPSK       | 25      | 0         | 21.25                    | 21.23                       | 21.14                     |                        |             |  |
| 5                                 | 16QAM      | 1       | 0         | 21.16                    | 21.13                       | 21.13                     |                        |             |  |
| 5                                 | 16QAM      | 1       | 12        | 21.04                    | 21.15                       | 21.18                     | 22                     | 1           |  |
| 5                                 | 16QAM      | 1       | 24        | 21.06                    | 21.03                       | 21.28                     |                        |             |  |
| 5                                 | 16QAM      | 12      | 0         | 20.48                    | 20.48                       | 20.66                     |                        |             |  |
| 5                                 | 16QAM      | 12      | 7         | 20.50                    | 20.52                       | 20.72                     |                        |             |  |
| 5                                 | 16QAM      | 12      | 13        | 20.42                    | 20.47                       | 20.57                     | 21                     | 2           |  |
| 5                                 | 16QAM      | 25      | 0         | 20.43                    | 20.48                       | 20.60                     |                        |             |  |
| 5                                 | 64QAM      | 1       | 0         | 20.70                    | 20.65                       | 20.82                     |                        |             |  |
| 5                                 | 64QAM      | 1       | 12        | 20.66                    | 20.66                       | 20.61                     |                        |             |  |
| 5                                 | 64QAM      | 1       | 24        | 20.59                    | 20.58                       | 20.62                     | 20                     | 3           |  |
| 5                                 | 64QAM      | 12      | 0         | 19.52                    | 19.58                       | 19.70                     |                        |             |  |
| 5                                 | 64QAM      | 12      | 7         | 19.49                    | 19.58                       | 19.72                     |                        |             |  |
| 5                                 | 64QAM      | 12      | 13        | 19.58                    | 19.62                       | 19.66                     |                        |             |  |
| 5                                 | 64QAM      | 25      | 0         | 19.50                    | 19.57                       | 19.65                     | 20                     | 3           |  |
| Channel                           |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz)                   |            |         |           |                          |                             |                           | Tune-up<br>limit (dBm) | MPR<br>(dB) |  |
| 3                                 | QPSK       | 1       | 0         | 21.78                    | 21.75                       | 21.84                     | 23                     | 0           |  |
| 3                                 | QPSK       | 1       | 8         | 21.71                    | 21.50                       | 21.90                     |                        |             |  |
| 3                                 | QPSK       | 1       | 14        | 21.64                    | 21.59                       | 21.81                     |                        |             |  |
| 3                                 | QPSK       | 8       | 0         | 21.83                    | 21.70                       | 21.83                     |                        |             |  |
| 3                                 | QPSK       | 8       | 4         | 21.75                    | 21.83                       | 21.82                     | 22                     | 1           |  |
| 3                                 | QPSK       | 8       | 7         | 21.64                    | 21.67                       | 21.87                     |                        |             |  |
| 3                                 | QPSK       | 15      | 0         | 21.70                    | 21.77                       | 21.90                     |                        |             |  |
| 3                                 | 16QAM      | 1       | 0         | 21.67                    | 21.74                       | 21.72                     |                        |             |  |
| 3                                 | 16QAM      | 1       | 8         | 21.90                    | 21.66                       | 21.84                     | 22                     | 1           |  |
| 3                                 | 16QAM      | 1       | 14        | 21.73                    | 21.64                       | 21.78                     |                        |             |  |
| 3                                 | 16QAM      | 8       | 0         | 20.57                    | 20.51                       | 20.72                     |                        |             |  |
| 3                                 | 16QAM      | 8       | 4         | 20.63                    | 20.55                       | 20.63                     |                        |             |  |
| 3                                 | 16QAM      | 8       | 7         | 20.46                    | 20.44                       | 20.63                     | 21                     | 2           |  |
| 3                                 | 16QAM      | 15      | 0         | 20.43                    | 20.51                       | 20.63                     |                        |             |  |
| 3                                 | 64QAM      | 1       | 0         | 20.73                    | 20.70                       | 20.85                     |                        |             |  |
| 3                                 | 64QAM      | 1       | 8         | 20.61                    | 20.73                       | 20.62                     |                        |             |  |
| 3                                 | 64QAM      | 1       | 14        | 20.52                    | 20.59                       | 20.98                     | 20                     | 3           |  |
| 3                                 | 64QAM      | 8       | 0         | 19.52                    | 19.46                       | 19.70                     |                        |             |  |
| 3                                 | 64QAM      | 8       | 4         | 19.51                    | 19.59                       | 19.74                     |                        |             |  |
| 3                                 | 64QAM      | 8       | 7         | 19.90                    | 19.52                       | 19.59                     |                        |             |  |
| 3                                 | 64QAM      | 15      | 0         | 19.47                    | 19.52                       | 19.73                     | 20                     | 3           |  |
| Channel                           |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz)                   |            |         |           |                          |                             |                           | Tune-up<br>limit (dBm) | MPR<br>(dB) |  |
| 1.4                               | QPSK       | 1       | 0         | 21.85                    | 21.88                       | 21.81                     | 23                     | 0           |  |
| 1.4                               | QPSK       | 1       | 3         | 21.66                    | 21.73                       | 21.74                     |                        |             |  |
| 1.4                               | QPSK       | 1       | 5         | 21.61                    | 21.67                       | 21.76                     |                        |             |  |
| 1.4                               | QPSK       | 3       | 0         | 21.74                    | 21.72                       | 21.83                     |                        |             |  |
| 1.4                               | QPSK       | 3       | 1         | 21.72                    | 21.80                       | 21.85                     | 22                     | 1           |  |
| 1.4                               | QPSK       | 3       | 3         | 21.69                    | 21.67                       | 21.81                     |                        |             |  |
| 1.4                               | QPSK       | 6       | 0         | 20.87                    | 20.96                       | 20.99                     |                        |             |  |
| 1.4                               | 16QAM      | 1       | 0         | 20.97                    | 20.92                       | 20.97                     |                        |             |  |
| 1.4                               | 16QAM      | 1       | 3         | 20.94                    | 20.98                       | 21.01                     | 22                     | 1           |  |
| 1.4                               | 16QAM      | 1       | 5         | 21.06                    | 20.96                       | 21.24                     |                        |             |  |
| 1.4                               | 16QAM      | 3       | 0         | 20.90                    | 21.00                       | 21.09                     |                        |             |  |
| 1.4                               | 16QAM      | 3       | 1         | 21.00                    | 20.93                       | 21.07                     |                        |             |  |
| 1.4                               | 16QAM      | 3       | 3         | 20.82                    | 20.90                       | 20.99                     | 21                     | 2           |  |
| 1.4                               | 16QAM      | 6       | 0         | 20.42                    | 20.41                       | 20.61                     |                        |             |  |
| 1.4                               | 64QAM      | 1       | 0         | 20.74                    | 20.69                       | 20.68                     |                        |             |  |
| 1.4                               | 64QAM      | 1       | 3         | 20.65                    | 20.58                       | 20.51                     |                        |             |  |
| 1.4                               | 64QAM      | 1       | 5         | 20.66                    | 20.37                       | 20.65                     | 21                     | 2           |  |
| 1.4                               | 64QAM      | 3       | 0         | 20.51                    | 20.56                       | 20.50                     |                        |             |  |
| 1.4                               | 64QAM      | 3       | 1         | 20.43                    | 20.46                       | 20.72                     | 20                     | 3           |  |
| 1.4                               | 64QAM      | 3       | 3         | 20.41                    | 20.42                       | 20.59                     |                        |             |  |
| 1.4                               | 64QAM      | 6       | 0         | 19.34                    | 19.44                       | 19.53                     | 20                     | 3           |  |

| Band 5 (Cellular Band)<br>Part 22H(only on channel required) |            |         |           |                       |                          |                        |                     |          |  |
|--------------------------------------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         | 22.46                 | 22.64                    | 22.45                  | 23.5                | 0        |  |
| 10                                                           | QPSK       | 1       | 25        | 22.49                 | 22.42                    | 22.41                  |                     |          |  |
| 10                                                           | QPSK       | 1       | 49        | 22.48                 | 22.37                    | 22.32                  |                     |          |  |
| 10                                                           | QPSK       | 25      | 0         | 21.49                 | 21.50                    | 21.46                  |                     |          |  |
| 10                                                           | QPSK       | 25      | 12        | 21.64                 | 21.48                    | 21.54                  | 22.5                | 1        |  |
| 10                                                           | QPSK       | 25      | 25        | 21.61                 | 21.53                    | 21.47                  |                     |          |  |
| 10                                                           | QPSK       | 50      | 0         | 21.58                 | 21.59                    | 21.43                  |                     |          |  |
| 10                                                           | 16QAM      | 1       | 0         | 21.78                 | 21.72                    | 21.70                  |                     |          |  |
| 10                                                           | 16QAM      | 1       | 25        | 21.76                 | 21.79                    | 21.65                  | 22.5                | 1        |  |
| 10                                                           | 16QAM      | 1       | 49        | 21.73                 | 21.66                    | 21.61                  |                     |          |  |
| 10                                                           | 16QAM      | 25      | 0         | 20.99                 | 20.92                    | 20.81                  |                     |          |  |
| 10                                                           | 16QAM      | 25      | 12        | 20.77                 | 20.89                    | 20.91                  |                     |          |  |
| 10                                                           | 16QAM      | 25      | 25        | 20.87                 | 20.92                    | 20.89                  | 21.5                | 2        |  |
| 10                                                           | 16QAM      | 50      | 0         | 20.98                 | 20.81                    | 20.85                  |                     |          |  |
| 10                                                           | 64QAM      | 1       | 0         | 20.98                 | 20.99                    | 20.96                  |                     |          |  |
| 10                                                           | 64QAM      | 1       | 25        | 20.97                 | 20.99                    | 20.89                  |                     |          |  |
| 10                                                           | 64QAM      | 1       | 49        | 20.88                 | 20.86                    | 20.79                  | 21.5                | 2        |  |
| 10                                                           | 64QAM      | 25      | 0         | 19.86                 | 19.79                    | 19.75                  |                     |          |  |
| 10                                                           | 64QAM      | 25      | 12        | 19.92                 | 19.82                    | 19.82                  |                     |          |  |
| 10                                                           | 64QAM      | 25      | 25        | 19.87                 | 19.82                    | 19.72                  |                     |          |  |
| 10                                                           | 64QAM      | 50      | 0         | 19.87                 | 19.69                    | 19.74                  | 20.5                | 3        |  |
| Channel                                                      |            |         |           | 20425                 | 20525                    | 20625                  |                     |          |  |
| Frequency (MHz)                                              |            |         |           | 826.5                 | 836.5                    | 846.5                  | Tune-up limit (dBm) |          |  |
| 5                                                            | QPSK       | 1       | 0         | 22.51                 | 22.36                    | 22.31                  | 23.5                | 0        |  |
| 5                                                            | QPSK       | 1       | 12        | 22.56                 | 22.49                    | 22.40                  |                     |          |  |
| 5                                                            | QPSK       | 1       | 24        | 22.47                 | 22.40                    | 22.27                  |                     |          |  |
| 5                                                            | QPSK       | 12      | 0         | 21.62                 | 21.52                    | 21.40                  |                     |          |  |
| 5                                                            | QPSK       | 12      | 7         | 21.67                 | 21.61                    | 21.42                  | 22.5                | 1        |  |
| 5                                                            | QPSK       | 12      | 13        | 21.62                 | 21.55                    | 21.41                  |                     |          |  |
| 5                                                            | QPSK       | 25      | 0         | 21.66                 | 21.47                    | 21.37                  |                     |          |  |
| 5                                                            | 16QAM      | 1       | 0         | 21.84                 | 21.69                    | 21.60                  |                     |          |  |
| 5                                                            | 16QAM      | 1       | 12        | 21.82                 | 21.80                    | 21.65                  | 22.5                | 1        |  |
| 5                                                            | 16QAM      | 1       | 24        | 21.81                 | 21.70                    | 21.57                  |                     |          |  |
| 5                                                            | 16QAM      | 12      | 0         | 20.63                 | 20.55                    | 20.43                  |                     |          |  |
| 5                                                            | 16QAM      | 12      | 7         | 20.68                 | 20.64                    | 20.45                  |                     |          |  |
| 5                                                            | 16QAM      | 12      | 13        | 20.61                 | 20.57                    | 20.47                  | 21.5                | 2        |  |
| 5                                                            | 16QAM      | 25      | 0         | 20.64                 | 20.50                    | 20.39                  |                     |          |  |
| 5                                                            | 64QAM      | 1       | 0         | 20.72                 | 20.62                    | 20.53                  |                     |          |  |
| 5                                                            | 64QAM      | 1       | 12        | 20.78                 | 20.74                    | 20.57                  |                     |          |  |
| 5                                                            | 64QAM      | 1       | 24        | 20.68                 | 20.66                    | 20.49                  | 21.5                | 2        |  |
| 5                                                            | 64QAM      | 12      | 0         | 19.62                 | 19.51                    | 19.39                  |                     |          |  |
| 5                                                            | 64QAM      | 12      | 7         | 19.68                 | 19.61                    | 19.44                  |                     |          |  |
| 5                                                            | 64QAM      | 12      | 13        | 19.63                 | 19.53                    | 19.46                  |                     |          |  |
| 5                                                            | 64QAM      | 25      | 0         | 19.64                 | 19.53                    | 19.39                  | 20.5                | 3        |  |
| Channel                                                      |            |         |           | 20415                 | 20525                    | 20635                  |                     |          |  |
| Frequency (MHz)                                              |            |         |           | 825.5                 | 836.5                    | 847.5                  | Tune-up limit (dBm) |          |  |
| 3                                                            | QPSK       | 1       | 0         | 22.57                 | 22.42                    | 22.34                  | 23.5                | 0        |  |
| 3                                                            | QPSK       | 1       | 8         | 22.63                 | 22.54                    | 22.41                  |                     |          |  |
| 3                                                            | QPSK       | 1       | 14        | 22.54                 | 22.45                    | 22.27                  |                     |          |  |
| 3                                                            | QPSK       | 8       | 0         | 21.62                 | 21.51                    | 21.44                  |                     |          |  |
| 3                                                            | QPSK       | 8       | 4         | 21.65                 | 21.58                    | 21.46                  | 22.5                | 1        |  |
| 3                                                            | QPSK       | 8       | 7         | 21.62                 | 21.54                    | 21.39                  |                     |          |  |
| 3                                                            | QPSK       | 15      | 0         | 21.65                 | 21.55                    | 21.42                  |                     |          |  |
| 3                                                            | 16QAM      | 1       | 0         | 21.86                 | 21.68                    | 21.63                  |                     |          |  |
| 3                                                            | 16QAM      | 1       | 8         | 21.92                 | 21.87                    | 21.69                  | 22.5                | 1        |  |
| 3                                                            | 16QAM      | 1       | 14        | 21.80                 | 21.79                    | 21.62                  |                     |          |  |
| 3                                                            | 16QAM      | 8       | 0         | 20.71                 | 20.55                    | 20.29                  |                     |          |  |
| 3                                                            | 16QAM      | 8       | 4         | 20.71                 | 20.64                    | 20.33                  |                     |          |  |
| 3                                                            | 16QAM      | 8       | 7         | 20.70                 | 20.62                    | 20.44                  | 21.5                | 2        |  |
| 3                                                            | 16QAM      | 15      | 0         | 20.65                 | 20.60                    | 20.45                  |                     |          |  |
| 3                                                            | 64QAM      | 1       | 0         | 20.79                 | 20.63                    | 20.59                  |                     |          |  |
| 3                                                            | 64QAM      | 1       | 8         | 20.81                 | 20.73                    | 20.60                  |                     |          |  |
| 3                                                            | 64QAM      | 1       | 14        | 20.74                 | 20.63                    | 20.56                  | 21.5                | 2        |  |
| 3                                                            | 64QAM      | 8       | 0         | 19.65                 | 19.52                    | 19.48                  |                     |          |  |
| 3                                                            | 64QAM      | 8       | 4         | 19.68                 | 19.61                    | 19.49                  |                     |          |  |
| 3                                                            | 64QAM      | 8       | 7         | 19.64                 | 19.57                    | 19.43                  |                     |          |  |
| 3                                                            | 64QAM      | 15      | 0         | 19.67                 | 19.55                    | 19.44                  | 20.5                | 3        |  |
| Channel                                                      |            |         |           | 20407                 | 20525                    | 20643                  |                     |          |  |
| Frequency (MHz)                                              |            |         |           | 824.7                 | 836.5                    | 848.3                  | Tune-up limit (dBm) |          |  |
| 1.4                                                          | QPSK       | 1       | 0         | 22.42                 | 22.37                    | 22.20                  | 23.5                | 0        |  |
| 1.4                                                          | QPSK       | 1       | 3         | 22.50                 | 22.45                    | 22.29                  |                     |          |  |
| 1.4                                                          | QPSK       | 1       | 5         | 22.43                 | 22.37                    | 22.18                  |                     |          |  |
| 1.4                                                          | QPSK       | 3       | 0         | 22.43                 | 22.43                    | 22.27                  |                     |          |  |
| 1.4                                                          | QPSK       | 3       | 1         | 22.52                 | 22.42                    | 22.30                  | 22.5                | 1        |  |
| 1.4                                                          | QPSK       | 3       | 3         | 22.46                 | 22.41                    | 22.24                  |                     |          |  |
| 1.4                                                          | QPSK       | 6       | 0         | 21.54                 | 21.45                    | 21.34                  |                     |          |  |
| 1.4                                                          | 16QAM      | 1       | 0         | 21.76                 | 21.72                    | 21.54                  |                     |          |  |
| 1.4                                                          | 16QAM      | 1       | 3         | 21.84                 | 21.72                    | 21.60                  | 22.5                | 1        |  |
| 1.4                                                          | 16QAM      | 1       | 5         | 21.76                 | 21.68                    | 21.55                  |                     |          |  |
| 1.4                                                          | 16QAM      | 3       | 0         | 21.54                 | 21.48                    | 21.30                  |                     |          |  |
| 1.4                                                          | 16QAM      | 3       | 1         | 21.62                 | 21.52                    | 21.37                  |                     |          |  |
| 1.4                                                          | 16QAM      | 3       | 3         | 21.54                 | 21.46                    | 21.30                  | 21.5                | 2        |  |
| 1.4                                                          | 16QAM      | 6       | 0         | 20.64                 | 20.55                    | 20.41                  |                     |          |  |
| 1.4                                                          | 64QAM      | 1       | 0         | 20.64                 | 20.62                    | 20.47                  |                     |          |  |
| 1.4                                                          | 64QAM      | 1       | 3         | 20.68                 | 20.63                    | 20.51                  |                     |          |  |
| 1.4                                                          | 64QAM      | 1       | 5         | 20.64                 | 20.58                    | 20.44                  | 21.5                | 2        |  |
| 1.4                                                          | 64QAM      | 3       | 0         | 20.61                 | 20.47                    | 20.37                  |                     |          |  |
| 1.4                                                          | 64QAM      | 3       | 1         | 20.68                 | 20.57                    | 20.42                  |                     |          |  |
| 1.4                                                          | 64QAM      | 3       | 3         | 20.58                 | 20.50                    | 20.36                  |                     |          |  |
| 1.4                                                          | 64QAM      | 6       | 0         | 19.56                 | 19.48                    | 19.32                  | 20.5                | 3        |  |

| Band 66         |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 132072                | 132322                   | 132572                 |                     |          |  |
| Frequency (MHz) |            |         |           | 17202                 | 1745                     | 17570                  |                     |          |  |
| 20              | QPSK       | 1       | 0         | 21.88                 | 21.99                    | 21.90                  | 23                  | 0        |  |
| 20              | QPSK       | 1       | 49        | 21.76                 | 21.86                    | 21.78                  |                     |          |  |
| 20              | QPSK       | 1       | 99        | 21.84                 | 21.85                    | 21.80                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 20.74                 | 20.92                    | 20.80                  |                     |          |  |
| 20              | QPSK       | 50      | 24        | 20.84                 | 20.91                    | 20.80                  | 22                  | 1        |  |
| 20              | QPSK       | 50      | 50        | 20.72                 | 20.83                    | 20.69                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 20.71                 | 20.82                    | 20.71                  |                     |          |  |
| 20              | 16QAM      | 1       | 0         | 20.68                 | 20.74                    | 20.95                  |                     |          |  |
| 20              | 16QAM      | 1       | 49        | 20.88                 | 21.00                    | 20.83                  | 22                  | 1        |  |
| 20              | 16QAM      | 1       | 99        | 20.68                 | 20.55                    | 20.62                  |                     |          |  |
| 20              | 16QAM      | 50      | 0         | 20.08                 | 20.14                    | 20.35                  |                     |          |  |
| 20              | 16QAM      | 50      | 24        | 20.28                 | 20.40                    | 20.23                  |                     |          |  |
| 20              | 16QAM      | 50      | 50        | 20.08                 | 20.12                    | 20.02                  | 21                  | 2        |  |
| 20              | 16QAM      | 100     | 0         | 20.28                 | 20.40                    | 20.23                  |                     |          |  |
| 20              | 64QAM      | 1       | 0         | 20.22                 | 20.23                    | 20.47                  |                     |          |  |
| 20              | 64QAM      | 1       | 49        | 20.36                 | 20.34                    | 20.32                  |                     |          |  |
| 20              | 64QAM      | 1       | 99        | 20.22                 | 20.30                    | 20.02                  | 21                  | 2        |  |
| 20              | 64QAM      | 50      | 0         | 19.99                 | 19.12                    | 19.06                  |                     |          |  |
| 20              | 64QAM      | 50      | 24        | 19.10                 | 19.16                    | 19.03                  |                     |          |  |
| 20              | 64QAM      | 50      | 50        | 18.95                 | 19.06                    | 18.95                  |                     |          |  |
| 20              | 64QAM      | 100     | 0         | 19.06                 | 19.14                    | 19.04                  | 20                  | 3        |  |
| Channel         |            |         |           | 132047                | 132322                   | 132597                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 | Tune-up limit (dBm) |          |  |
| 15              | QPSK       | 1       | 0         | 21.70                 | 21.91                    | 21.90                  | 23                  | 0        |  |
| 15              | QPSK       | 1       | 37        | 21.75                 | 21.96                    | 21.79                  |                     |          |  |
| 15              | QPSK       | 1       | 74        | 21.60                 | 21.72                    | 21.66                  |                     |          |  |
| 15              | QPSK       | 36      | 0         | 20.83                 | 21.05                    | 20.91                  |                     |          |  |
| 15              | QPSK       | 36      | 20        | 20.89                 | 21.03                    | 20.93                  | 22                  | 1        |  |
| 15              | QPSK       | 36      | 39        | 20.82                 | 20.99                    | 20.81                  |                     |          |  |
| 15              | QPSK       | 75      | 0         | 20.88                 | 20.98                    | 20.83                  | 22                  | 1        |  |
| 15              | 16QAM      | 1       | 0         | 20.75                 | 20.90                    | 20.89                  |                     |          |  |
| 15              | 16QAM      | 1       | 37        | 20.73                 | 20.97                    | 20.71                  |                     |          |  |
| 15              | 16QAM      | 1       | 74        | 20.61                 | 20.71                    | 20.59                  |                     |          |  |
| 15              | 16QAM      | 36      | 0         | 19.87                 | 20.06                    | 19.89                  | 21                  | 2        |  |
| 15              | 16QAM      | 36      | 20        | 19.94                 | 20.02                    | 19.95                  |                     |          |  |
| 15              | 16QAM      | 36      | 39        | 19.83                 | 20.00                    | 19.83                  |                     |          |  |
| 15              | 16QAM      | 75      | 0         | 19.88                 | 20.00                    | 19.85                  |                     |          |  |
| 15              | 64QAM      | 1       | 0         | 20.10                 | 20.00                    | 20.23                  | 21                  | 2        |  |
| 15              | 64QAM      | 1       | 37        | 19.95                 | 20.10                    | 19.91                  |                     |          |  |
| 15              | 64QAM      | 1       | 74        | 19.81                 | 19.76                    | 19.73                  |                     |          |  |
| 15              | 64QAM      | 36      | 0         | 18.88                 | 19.08                    | 18.93                  |                     |          |  |
| 15              | 64QAM      | 36      | 20        | 18.94                 | 19.04                    | 18.94                  | 20                  | 3        |  |
| 15              | 64QAM      | 36      | 39        | 18.84                 | 18.99                    | 18.84                  |                     |          |  |
| 15              | 64QAM      | 75      | 0         | 18.88                 | 19.01                    | 18.83                  |                     |          |  |
| Channel         |            |         |           | 132022                | 132322                   | 132623                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1715.5                | 1745                     | 1772.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| 10              | QPSK       | 1       | 0         | 21.58                 | 21.65                    | 21.65                  | 23                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 21.78                 | 21.76                    | 21.74                  |                     |          |  |
| 10              | QPSK       | 1       | 49        | 21.55                 | 21.60                    | 21.38                  |                     |          |  |
| 10              | QPSK       | 25      | 0         | 20.84                 | 20.93                    | 20.72                  |                     |          |  |
| 10              | QPSK       | 25      | 12        | 20.89                 | 21.00                    | 20.75                  | 22                  | 1        |  |
| 10              | QPSK       | 25      | 25        | 20.79                 | 20.92                    | 20.70                  |                     |          |  |
| 10              | QPSK       | 50      | 0         | 20.85                 | 20.91                    | 20.69                  |                     |          |  |
| 10              | 16QAM      | 1       | 0         | 20.60                 | 20.73                    | 20.58                  |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 20.84                 | 20.93                    | 20.81                  | 22                  | 1        |  |
| 10              | 16QAM      | 1       | 49        | 20.56                 | 20.72                    | 20.55                  |                     |          |  |
| 10              | 16QAM      | 25      | 0         | 19.89                 | 19.93                    | 19.78                  |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 19.96                 | 20.01                    | 19.80                  |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 19.82                 | 19.90                    | 19.70                  | 21                  | 2        |  |
| 10              | 16QAM      | 50      | 0         | 19.86                 | 19.92                    | 19.73                  |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 19.97                 | 20.04                    | 19.92                  |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 20.18                 | 20.25                    | 20.16                  |                     |          |  |
| 10              | 64QAM      | 1       | 49        | 19.98                 | 19.97                    | 19.76                  | 21                  | 2        |  |
| 10              | 64QAM      | 25      | 0         | 19.88                 | 19.90                    | 19.83                  |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 19.87                 | 19.02                    | 18.83                  |                     |          |  |
| 10              | 64QAM      | 25      | 25        | 18.82                 | 18.82                    | 18.75                  |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 18.84                 | 18.90                    | 18.70                  | 20                  | 3        |  |
| Channel         |            |         |           | 131997                | 132322                   | 132647                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 | Tune-up limit (dBm) |          |  |
| 5               | QPSK       | 1       | 0         | 21.82                 | 21.91                    | 21.75                  | 23                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 21.82                 | 21.95                    | 21.73                  |                     |          |  |
| 5               | QPSK       | 1       | 24        | 21.70                 | 21.83                    | 21.58                  |                     |          |  |
| 5               | QPSK       | 12      | 0         | 20.94                 | 21.04                    | 20.85                  |                     |          |  |
| 5               | QPSK       | 12      | 7         | 20.91                 | 20.96                    | 20.83                  | 22                  | 1        |  |
| 5               | QPSK       | 12      | 13        | 20.83                 | 20.99                    | 20.76                  |                     |          |  |
| 5               | QPSK       | 25      | 0         | 20.87                 | 20.95                    | 20.76                  |                     |          |  |
| 5               | 16QAM      | 1       | 0         | 20.83                 | 20.91                    | 20.74                  |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 20.82                 | 20.95                    | 20.68                  | 22                  | 1        |  |
| 5               | 16QAM      | 1       | 24        | 20.70                 | 20.86                    | 20.59                  |                     |          |  |
| 5               | 16QAM      | 12      | 0         | 19.96                 | 20.03                    | 19.90                  |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 19.83                 | 19.90                    | 19.87                  |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 19.83                 | 19.95                    | 19.79                  | 21                  | 2        |  |
| 5               | 16QAM      | 25      | 0         | 19.94                 | 19.96                    | 19.83                  |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 20.03                 | 20.13                    | 20.03                  |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 20.02                 | 20.20                    | 19.99                  |                     |          |  |
| 5               | 64QAM      | 1       | 24        | 19.95                 | 20.06                    | 19.89                  | 21                  | 2        |  |
| 5               | 64QAM      | 12      | 0         | 18.95                 | 19.03                    | 18.87                  |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 18.85                 | 19.00                    | 18.83                  |                     |          |  |
| 5               | 64QAM      | 12      | 13        | 18.86                 | 18.97                    | 18.74                  |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 18.90                 | 18.99                    | 18.85                  | 20                  | 3        |  |
| Channel         |            |         |           | 131987                | 132322                   | 132657                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1711.5                | 1745                     | 1779.5                 | Tune-up limit (dBm) |          |  |
| 3               | QPSK       | 1       | 0         | 21.87                 | 21.95                    | 21.79                  | 23                  | 0        |  |
| 3               | QPSK       | 1       | 8         | 21.84                 | 21.97                    | 21.78                  |                     |          |  |
| 3               | QPSK       | 1       | 14        | 21.70                 | 21.85                    | 21.65                  |                     |          |  |
| 3               | QPSK       | 8       | 0         | 20.91                 | 20.98                    | 20.88                  |                     |          |  |
| 3               | QPSK       | 8       | 4         | 20.92                 | 20.97                    | 20.85                  | 22                  | 1        |  |
| 3               | QPSK       | 8       | 7         | 20.85                 | 20.99                    | 20.77                  |                     |          |  |
| 3               | QPSK       | 16      | 0         | 20.89                 | 20.90                    | 20.79                  |                     |          |  |
| 3               | 16QAM      | 1       | 0         | 20.85                 | 20.90                    | 20.83                  |                     |          |  |
| 3               | 16QAM      | 1       | 8         | 20.88                 | 20.99                    | 20.76                  | 22                  | 1        |  |
| 3               | 16QAM      | 1       | 14        | 20.72                 | 20.86                    | 20.65                  |                     |          |  |
| 3               | 16QAM      | 8       | 0         | 19.99                 | 20.07                    | 19.92                  |                     |          |  |
| 3               | 16QAM      | 8       | 4         | 20.00                 | 20.05                    | 19.89                  |                     |          |  |
| 3               | 16QAM      | 8       | 7         | 19.90                 | 20.05                    | 19.82                  | 21                  | 2        |  |
| 3               | 16QAM      | 15      | 0         | 19.94                 | 20.02                    | 19.87                  |                     |          |  |
| 3               | 64QAM      | 1       | 0         | 20.07                 | 20.12                    | 20.05                  |                     |          |  |
| 3               | 64QAM      | 1       | 8         | 20.10                 | 20.22                    | 20.02                  |                     |          |  |
| 3               | 64QAM      | 1       | 14        | 19.96                 | 20.12                    | 19.94                  | 21                  | 2        |  |
| 3               | 64QAM      | 8       | 0         | 18.95                 | 19.05                    | 18.88                  |                     |          |  |
| 3               | 64QAM      | 8       | 4         | 18.94                 | 19.00                    | 18.88                  |                     |          |  |
| 3               | 64QAM      | 8       | 7         | 18.85                 | 19.03                    | 18.81                  |                     |          |  |
| 3               | 64QAM      | 15      | 0         | 18.90                 | 18.99                    | 18.85                  | 20                  | 3        |  |
| Channel         |            |         |           | 131979                | 132322                   | 132685                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1710.7                | 1745                     | 1779.3                 | Tune-up limit (dBm) |          |  |
| 1.4             | QPSK       | 1       | 0         | 21.74                 | 21.83                    | 21.61                  | 23                  | 0        |  |
| 1.4             | QPSK       | 1       | 3         | 21.76                 | 21.91                    | 21.65                  |                     |          |  |
| 1.4             | QPSK       | 1       | 5         | 21.67                 | 21.83                    | 21.55                  |                     |          |  |
| 1.4             | QPSK       | 3       | 0         | 21.73                 | 21.84                    | 21.61                  |                     |          |  |
| 1.4             | QPSK       | 3       | 1         | 21.77                 | 21.90                    | 21.65                  | 22                  | 1        |  |
| 1.4             | QPSK       | 3       | 3         | 21.70                 | 21.89                    | 21.62                  |                     |          |  |
| 1.4             | QPSK       | 6       | 0         | 20.82                 | 20.89                    | 20.68                  |                     |          |  |
| 1.4             | 16QAM      | 1       | 0         | 20.73                 | 20.85                    | 20.68                  |                     |          |  |
| 1.4             | 16QAM      | 1       | 3         | 20.79                 | 20.98                    | 20.71                  | 22                  | 1        |  |
| 1.4             | 16QAM      | 1       | 5         | 20.66                 | 20.87                    | 20.64                  |                     |          |  |
| 1.4             | 16QAM      | 3       | 0         | 20.82                 | 20.93                    | 20.75                  |                     |          |  |
| 1.4             | 16QAM      | 3       | 1         | 20.85                 | 21.00                    | 20.80                  |                     |          |  |
| 1.4             | 16QAM      | 3       | 3         | 20.77                 | 20.95                    | 20.68                  | 21                  | 2        |  |
| 1.4             | 16QAM      | 6       | 0         | 19.88                 | 19.98                    | 19.81                  |                     |          |  |
| 1.4             | 64QAM      | 1       | 0         | 19.98                 | 20.08                    | 19.89                  |                     |          |  |
| 1.4             | 64QAM      | 1       | 3         | 20.01                 | 20.12                    | 19.91                  |                     |          |  |
| 1.4             | 64QAM      | 1       | 5         | 19.92                 | 20.12                    | 19.90                  | 21                  | 2        |  |
| 1.4             | 64QAM      | 3       | 0         | 19.84                 | 19.94                    | 19.81                  |                     |          |  |
| 1.4             | 64QAM      | 3       | 1         | 19.88                 | 20.04                    | 19.80                  |                     |          |  |
| 1.4             | 64QAM      | 3       | 3         | 19.81                 | 19.98                    | 19.70                  |                     |          |  |
| 1.4             | 64QAM      | 6       | 0         | 18.82                 | 18.90                    | 18.71                  | 20                  | 3        |  |
| Channel         |            |         |           | 131969                | 132322                   | 132693                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1710.0                | 1745                     | 1779.0                 | Tune-up limit (dBm) |          |  |

## UAT-Reduced Power - DSI 2 for Head

| Band 2 (1900MHz Band) |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| Part 24E              |            |         |           |                       |                          |                        |                     |          |  |
| 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               |            |         |           | 18700                 | 18900                    | 19100                  |                     |          |  |
| Frequency (MHz)       |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |  |
| 20                    | QPSK       | 1       | 0         | 13.34                 | 13.48                    | 13.31                  | 14.3                | 0        |  |
| 20                    | QPSK       | 1       | 49        | 13.09                 | 13.30                    | 13.29                  |                     |          |  |
| 20                    | QPSK       | 1       | 99        | 13.12                 | 13.22                    | 13.28                  |                     |          |  |
| 20                    | QPSK       | 50      | 0         | 13.17                 | 13.40                    | 13.28                  |                     |          |  |
| 20                    | QPSK       | 50      | 24        | 13.32                 | 13.39                    | 13.38                  | 14.3                | 0        |  |
| 20                    | QPSK       | 50      | 50        | 13.23                 | 13.35                    | 13.36                  |                     |          |  |
| 20                    | QPSK       | 100     | 0         | 13.22                 | 13.34                    | 13.33                  |                     |          |  |
| 20                    | 16QAM      | 1       | 0         | 13.22                 | 13.23                    | 13.23                  |                     |          |  |
| 20                    | 16QAM      | 1       | 49        | 13.43                 | 13.22                    | 13.23                  | 14.3                | 0        |  |
| 20                    | 16QAM      | 1       | 99        | 13.46                 | 13.33                    | 13.23                  |                     |          |  |
| 20                    | 16QAM      | 50      | 0         | 13.11                 | 13.20                    | 13.20                  |                     |          |  |
| 20                    | 16QAM      | 50      | 24        | 13.27                 | 13.30                    | 13.38                  |                     |          |  |
| 20                    | 16QAM      | 50      | 50        | 13.19                 | 13.32                    | 13.37                  | 14.3                | 0        |  |
| 20                    | 16QAM      | 100     | 0         | 13.15                 | 13.20                    | 13.27                  |                     |          |  |
| 20                    | 64QAM      | 1       | 0         | 13.24                 | 13.38                    | 13.35                  |                     |          |  |
| 20                    | 64QAM      | 1       | 49        | 13.16                 | 13.28                    | 13.29                  |                     |          |  |
| 20                    | 64QAM      | 1       | 99        | 13.11                 | 13.31                    | 13.32                  | 14.3                | 0        |  |
| 20                    | 64QAM      | 50      | 0         | 13.08                 | 13.19                    | 13.20                  |                     |          |  |
| 20                    | 64QAM      | 50      | 24        | 13.20                 | 13.25                    | 13.40                  |                     |          |  |
| 20                    | 64QAM      | 50      | 50        | 13.18                 | 13.32                    | 13.37                  |                     |          |  |
| 20                    | 64QAM      | 100     | 0         | 13.17                 | 13.18                    | 13.23                  |                     |          |  |
| Channel               |            |         |           | 1867.5                | 18900                    | 1902.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 1867.5                | 1880                     | 1902.5                 |                     |          |  |
| 15                    | QPSK       | 1       | 0         | 13.14                 | 13.30                    | 13.28                  | 14.3                | 0        |  |
| 15                    | QPSK       | 1       | 37        | 13.16                 | 13.28                    | 13.33                  |                     |          |  |
| 15                    | QPSK       | 1       | 74        | 12.99                 | 13.28                    | 13.30                  |                     |          |  |
| 15                    | QPSK       | 36      | 0         | 13.22                 | 13.30                    | 13.28                  |                     |          |  |
| 15                    | QPSK       | 36      | 20        | 13.32                 | 13.37                    | 13.44                  | 14.3                | 0        |  |
| 15                    | QPSK       | 36      | 39        | 13.23                 | 13.39                    | 13.43                  |                     |          |  |
| 15                    | QPSK       | 75      | 0         | 13.28                 | 13.31                    | 13.29                  |                     |          |  |
| 15                    | 16QAM      | 1       | 0         | 13.36                 | 13.23                    | 13.47                  |                     |          |  |
| 15                    | 16QAM      | 1       | 37        | 13.38                 | 13.23                    | 13.23                  | 14.3                | 0        |  |
| 15                    | 16QAM      | 1       | 74        | 13.30                 | 13.47                    | 13.23                  |                     |          |  |
| 15                    | 16QAM      | 36      | 0         | 13.07                 | 13.19                    | 13.19                  |                     |          |  |
| 15                    | 16QAM      | 36      | 20        | 13.24                 | 13.24                    | 13.36                  |                     |          |  |
| 15                    | 16QAM      | 36      | 39        | 13.19                 | 13.30                    | 13.34                  | 14.3                | 0        |  |
| 15                    | 16QAM      | 75      | 0         | 13.18                 | 13.20                    | 13.25                  |                     |          |  |
| 15                    | 64QAM      | 1       | 0         | 13.08                 | 13.27                    | 13.29                  |                     |          |  |
| 15                    | 64QAM      | 1       | 37        | 13.19                 | 13.28                    | 13.30                  |                     |          |  |
| 15                    | 64QAM      | 1       | 74        | 13.16                 | 13.30                    | 13.28                  | 14.3                | 0        |  |
| 15                    | 64QAM      | 36      | 0         | 13.11                 | 13.19                    | 13.19                  |                     |          |  |
| 15                    | 64QAM      | 36      | 20        | 13.21                 | 13.25                    | 13.38                  |                     |          |  |
| 15                    | 64QAM      | 36      | 39        | 13.19                 | 13.32                    | 13.36                  |                     |          |  |
| 15                    | 64QAM      | 75      | 0         | 13.24                 | 13.22                    | 13.26                  |                     |          |  |
| Channel               |            |         |           | 18650                 | 18900                    | 19150                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 1855                  | 1880                     | 1905                   |                     |          |  |
| 10                    | QPSK       | 1       | 0         | 12.88                 | 13.00                    | 13.28                  | 14.3                | 0        |  |
| 10                    | QPSK       | 1       | 25        | 13.14                 | 13.27                    | 13.22                  |                     |          |  |
| 10                    | QPSK       | 1       | 49        | 12.86                 | 12.92                    | 13.24                  |                     |          |  |
| 10                    | QPSK       | 25      | 0         | 13.15                 | 13.22                    | 13.27                  |                     |          |  |
| 10                    | QPSK       | 25      | 12        | 13.20                 | 13.30                    | 13.34                  | 14.3                | 0        |  |
| 10                    | QPSK       | 25      | 25        | 13.11                 | 13.29                    | 13.37                  |                     |          |  |
| 10                    | QPSK       | 50      | 0         | 13.13                 | 13.21                    | 13.33                  |                     |          |  |
| 10                    | 16QAM      | 1       | 0         | 13.38                 | 13.28                    | 13.22                  |                     |          |  |
| 10                    | 16QAM      | 1       | 25        | 13.47                 | 13.23                    | 13.33                  | 14.3                | 0        |  |
| 10                    | 16QAM      | 1       | 49        | 13.42                 | 13.31                    | 13.23                  |                     |          |  |
| 10                    | 16QAM      | 25      | 0         | 13.12                 | 13.14                    | 13.23                  |                     |          |  |
| 10                    | 16QAM      | 25      | 12        | 13.19                 | 13.27                    | 13.31                  |                     |          |  |
| 10                    | 16QAM      | 25      | 25        | 13.05                 | 13.25                    | 13.25                  | 14.3                | 0        |  |
| 10                    | 16QAM      | 50      | 0         | 13.10                 | 13.15                    | 13.24                  |                     |          |  |
| 10                    | 64QAM      | 1       | 0         | 13.25                 | 13.17                    | 13.21                  |                     |          |  |
| 10                    | 64QAM      | 1       | 25        | 13.40                 | 13.22                    | 13.23                  |                     |          |  |
| 10                    | 64QAM      | 1       | 49        | 13.36                 | 13.23                    | 13.22                  | 14.3                | 0        |  |
| 10                    | 64QAM      | 25      | 0         | 13.10                 | 13.24                    | 13.21                  |                     |          |  |
| 10                    | 64QAM      | 25      | 12        | 13.19                 | 13.00                    | 13.30                  |                     |          |  |
| 10                    | 64QAM      | 25      | 25        | 13.05                 | 13.23                    | 13.28                  |                     |          |  |
| 10                    | 64QAM      | 50      | 0         | 13.10                 | 13.16                    | 13.14                  |                     |          |  |
| Channel               |            |         |           | 18625                 | 18900                    | 19175                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 1852.5                | 1880                     | 1907.5                 |                     |          |  |
| 5                     | QPSK       | 1       | 0         | 13.05                 | 13.12                    | 13.25                  | 14.3                | 0        |  |
| 5                     | QPSK       | 1       | 12        | 13.11                 | 13.30                    | 13.24                  |                     |          |  |
| 5                     | QPSK       | 1       | 24        | 13.02                 | 13.15                    | 13.08                  |                     |          |  |
| 5                     | QPSK       | 12      | 0         | 13.15                 | 13.28                    | 13.37                  |                     |          |  |
| 5                     | QPSK       | 12      | 7         | 13.24                 | 13.33                    | 13.42                  | 14.3                | 0        |  |
| 5                     | QPSK       | 12      | 13        | 13.19                 | 13.35                    | 13.38                  |                     |          |  |
| 5                     | QPSK       | 25      | 0         | 13.18                 | 13.28                    | 13.37                  |                     |          |  |
| 5                     | 16QAM      | 1       | 0         | 13.42                 | 13.44                    | 13.33                  |                     |          |  |
| 5                     | 16QAM      | 1       | 12        | 13.43                 | 13.32                    | 13.34                  | 14.3                | 0        |  |
| 5                     | 16QAM      | 1       | 24        | 13.31                 | 13.44                    | 13.23                  |                     |          |  |
| 5                     | 16QAM      | 12      | 0         | 13.24                 | 13.27                    | 13.38                  |                     |          |  |
| 5                     | 16QAM      | 12      | 7         | 13.21                 | 13.31                    | 13.40                  | 14.3                | 0        |  |
| 5                     | 16QAM      | 12      | 13        | 13.15                 | 13.25                    | 13.32                  |                     |          |  |
| 5                     | 16QAM      | 25      | 0         | 13.12                 | 13.22                    | 13.32                  |                     |          |  |
| 5                     | 64QAM      | 1       | 0         | 13.28                 | 13.31                    | 13.23                  |                     |          |  |
| 5                     | 64QAM      | 1       | 12        | 13.44                 | 13.21                    | 13.23                  | 14.3                | 0        |  |
| 5                     | 64QAM      | 1       | 24        | 13.26                 | 13.29                    | 13.34                  |                     |          |  |
| 5                     | 64QAM      | 12      | 0         | 13.19                 | 13.24                    | 13.38                  |                     |          |  |
| 5                     | 64QAM      | 12      | 7         | 13.14                 | 13.25                    | 13.35                  |                     |          |  |
| 5                     | 64QAM      | 12      | 13        | 13.10                 | 13.21                    | 13.30                  | 14.3                | 0        |  |
| 5                     | 64QAM      | 25      | 0         | 13.16                 | 13.20                    | 13.33                  |                     |          |  |
| Channel               |            |         |           | 18615                 | 18900                    | 19185                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 1851.5                | 1880                     | 1908.5                 |                     |          |  |
| 3                     | QPSK       | 1       | 0         | 13.12                 | 13.17                    | 13.18                  | 14.3                | 0        |  |
| 3                     | QPSK       | 1       | 8         | 13.16                 | 13.36                    | 13.28                  |                     |          |  |
| 3                     | QPSK       | 1       | 14        | 13.10                 | 13.21                    | 13.26                  |                     |          |  |
| 3                     | QPSK       | 8       | 0         | 13.19                 | 13.27                    | 13.40                  |                     |          |  |
| 3                     | QPSK       | 8       | 4         | 13.23                 | 13.32                    | 13.41                  | 14.3                | 0        |  |
| 3                     | QPSK       | 8       | 7         | 13.20                 | 13.31                    | 13.35                  |                     |          |  |
| 3                     | QPSK       | 15      | 0         | 13.17                 | 13.28                    | 13.37                  |                     |          |  |
| 3                     | 16QAM      | 1       | 0         | 13.22                 | 13.23                    | 13.23                  |                     |          |  |
| 3                     | 16QAM      | 1       | 8         | 13.23                 | 13.23                    | 13.23                  | 14.3                | 0        |  |
| 3                     | 16QAM      | 1       | 14        | 13.31                 | 13.44                    | 13.21                  |                     |          |  |
| 3                     | 16QAM      | 8       | 0         | 13.30                 | 13.31                    | 13.44                  |                     |          |  |
| 3                     | 16QAM      | 8       | 4         | 13.30                 | 13.42                    | 13.23                  |                     |          |  |
| 3                     | 16QAM      | 8       | 7         | 13.20                 | 13.31                    | 13.44                  | 14.3                | 0        |  |
| 3                     | 16QAM      | 15      | 0         | 13.22                 | 13.31                    | 13.38                  |                     |          |  |
| 3                     | 16QAM      | 1       | 0         | 13.34                 | 13.34                    | 13.45                  |                     |          |  |
| 3                     | 64QAM      | 1       | 8         | 13.43                 | 13.42                    | 13.34                  |                     |          |  |
| 3                     | 64QAM      | 1       | 14        | 13.20                 | 13.24                    | 13.46                  | 14.3                | 0        |  |
| 3                     | 64QAM      | 8       | 0         | 13.22                 | 13.28                    | 13.31                  |                     |          |  |
| 3                     | 64QAM      | 8       | 4         | 13.23                 | 13.32                    | 13.39                  |                     |          |  |
| 3                     | 64QAM      | 8       | 7         | 13.14                 | 13.23                    | 13.30                  |                     |          |  |
| 3                     | 64QAM      | 15      | 0         | 13.16                 | 13.27                    | 13.34                  |                     |          |  |
| Channel               |            |         |           | 18607                 | 18900                    | 19193                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 18507                 | 1880                     | 19093                  |                     |          |  |
| 1.4                   | QPSK       | 1       | 0         | 13.04                 | 13.28                    | 13.20                  | 14.3                | 0        |  |
| 1.4                   | QPSK       | 1       | 3         | 13.08                 | 13.18                    | 13.27                  |                     |          |  |
| 1.4                   | QPSK       | 1       | 5         | 12.98                 | 13.19                    | 13.20                  |                     |          |  |
| 1.4                   | QPSK       | 3       | 0         | 13.07                 | 13.21                    | 13.24                  |                     |          |  |
| 1.4                   | QPSK       | 3       | 1         | 13.11                 | 13.26                    | 13.32                  | 14.3                | 0        |  |
| 1.4                   | QPSK       | 3       | 3         | 13.03                 | 13.21                    | 13.34                  |                     |          |  |
| 1.4                   | QPSK       | 6       | 0         | 13.10                 | 13.32                    | 13.36                  |                     |          |  |
| 1.4                   | 16QAM      | 1       | 0         | 13.30                 | 13.46                    | 13.23                  |                     |          |  |
| 1.4                   | 16QAM      | 1       | 3         | 13.36                 | 13.22                    | 13.34                  | 14.3                | 0        |  |
| 1.4                   | 16QAM      | 1       | 5         | 13.15                 | 13.21                    | 13.21                  |                     |          |  |
| 1.4                   | 16QAM      | 3       | 0         | 13.10                 | 13.30                    | 13.34                  |                     |          |  |
| 1.4                   | 16QAM      | 3       | 1         | 13.19                 | 13.32                    | 13.43                  |                     |          |  |
| 1.4                   | 16QAM      | 3       | 3         | 13.05                 | 13.25                    | 13.43                  | 14.3                | 0        |  |
| 1.4                   | 16QAM      | 6       | 0         | 13.14                 | 13.25                    | 13.35                  |                     |          |  |
| 1.4                   | 64QAM      | 1       | 0         | 13.18                 | 13.37                    | 13.43                  |                     |          |  |
| 1.4                   | 64QAM      | 1       | 3         | 13.22                 | 13.42                    | 13.23                  |                     |          |  |
| 1.4                   | 64QAM      | 1       | 5         | 13.17                 | 13.34                    | 13.35                  | 14.3                | 0        |  |
| 1.4                   | 64QAM      | 3       | 0         | 13.15                 | 13.33                    | 13.39                  |                     |          |  |
| 1.4                   | 64QAM      | 3       | 1         | 13.21                 | 13.39                    | 13.22                  |                     |          |  |
| 1.4                   | 64QAM      | 3       | 3         | 13.07                 | 13.25                    | 13.40                  |                     |          |  |
| 1.4                   | 64QAM      | 6       | 0         | 13.09                 | 13.25                    | 13.30                  | 14.3                | 0        |  |

| Band 66         |            |         |           |                            |                               |                             |                           |             |  |
|-----------------|------------|---------|-----------|----------------------------|-------------------------------|-----------------------------|---------------------------|-------------|--|
| 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<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 13207.2                    | 13232.2                       | 13257.2                     |                           |             |  |
| Frequency (MHz) |            |         |           | 1720                       | 1745                          | 1770                        |                           |             |  |
| 20              | QPSK       | 1       | 0         | 14.32                      | 14.35                         | 14.09                       | 14.9                      | 0           |  |
| 20              | QPSK       | 1       | 49        | 13.89                      | 14.32                         | 14.09                       |                           |             |  |
| 20              | QPSK       | 1       | 99        | 14.23                      | 14.09                         | 14.09                       |                           |             |  |
| 20              | QPSK       | 50      | 0         | 13.99                      | 14.14                         | 14.04                       |                           |             |  |
| 20              | QPSK       | 50      | 24        | 14.07                      | 14.04                         | 14.13                       |                           |             |  |
| 20              | QPSK       | 50      | 50        | 13.91                      | 13.94                         | 13.97                       | 14.9                      | 0           |  |
| 20              | QPSK       | 100     | 0         | 13.97                      | 14.08                         | 14.07                       |                           |             |  |
| 20              | 16QAM      | 1       | 0         | 14.02                      | 13.93                         | 14.02                       |                           |             |  |
| 20              | 16QAM      | 1       | 49        | 14.23                      | 14.26                         | 14.23                       |                           |             |  |
| 20              | 16QAM      | 1       | 99        | 13.89                      | 13.96                         | 14.02                       |                           |             |  |
| 20              | 16QAM      | 50      | 0         | 13.94                      | 13.96                         | 13.95                       | 14.9                      | 0           |  |
| 20              | 16QAM      | 50      | 24        | 14.04                      | 14.03                         | 13.98                       |                           |             |  |
| 20              | 16QAM      | 50      | 50        | 13.87                      | 13.97                         | 13.87                       |                           |             |  |
| 20              | 16QAM      | 100     | 0         | 13.93                      | 13.95                         | 13.89                       |                           |             |  |
| 20              | 64QAM      | 1       | 0         | 13.94                      | 13.96                         | 13.93                       |                           |             |  |
| 20              | 64QAM      | 1       | 49        | 14.03                      | 13.96                         | 13.96                       | 14.9                      | 0           |  |
| 20              | 64QAM      | 1       | 99        | 13.74                      | 13.80                         | 13.76                       |                           |             |  |
| 20              | 64QAM      | 50      | 0         | 13.92                      | 13.97                         | 13.92                       |                           |             |  |
| 20              | 64QAM      | 50      | 24        | 14.05                      | 14.01                         | 13.95                       |                           |             |  |
| 20              | 64QAM      | 50      | 50        | 13.85                      | 13.94                         | 13.90                       |                           |             |  |
| 20              | 64QAM      | 100     | 0         | 13.95                      | 13.92                         | 13.88                       |                           |             |  |
| Channel         |            |         |           | 13204.7                    | 13232.2                       | 13259.7                     |                           |             |  |
| Frequency (MHz) |            |         |           | 1717.5                     | 1745                          | 1772.5                      | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| 15              | QPSK       | 1       | 0         | 13.89                      | 13.95                         | 13.98                       | 14.9                      | 0           |  |
| 15              | QPSK       | 1       | 37        | 13.88                      | 13.97                         | 14.01                       |                           |             |  |
| 15              | QPSK       | 1       | 74        | 13.72                      | 13.79                         | 13.87                       |                           |             |  |
| 15              | QPSK       | 36      | 0         | 14.02                      | 14.08                         | 14.10                       |                           |             |  |
| 15              | QPSK       | 36      | 20        | 14.07                      | 14.07                         | 14.13                       |                           |             |  |
| 15              | QPSK       | 36      | 39        | 13.95                      | 14.05                         | 14.01                       | 14.9                      | 0           |  |
| 15              | QPSK       | 75      | 0         | 14.03                      | 14.03                         | 13.98                       |                           |             |  |
| 15              | 16QAM      | 1       | 0         | 14.20                      | 14.19                         | 14.04                       |                           |             |  |
| 15              | 16QAM      | 1       | 37        | 14.18                      | 14.15                         | 14.20                       |                           |             |  |
| 15              | 16QAM      | 1       | 74        | 13.93                      | 13.95                         | 14.07                       |                           |             |  |
| 15              | 16QAM      | 36      | 0         | 14.01                      | 14.01                         | 13.98                       | 14.9                      | 0           |  |
| 15              | 16QAM      | 36      | 20        | 14.05                      | 13.99                         | 13.93                       |                           |             |  |
| 15              | 16QAM      | 36      | 39        | 13.97                      | 13.96                         | 13.91                       |                           |             |  |
| 15              | 16QAM      | 75      | 0         | 14.03                      | 13.98                         | 13.93                       |                           |             |  |
| 15              | 64QAM      | 1       | 0         | 13.97                      | 13.63                         | 13.59                       |                           |             |  |
| 15              | 64QAM      | 1       | 37        | 13.95                      | 13.95                         | 13.98                       | 14.9                      | 0           |  |
| 15              | 64QAM      | 1       | 74        | 13.66                      | 13.63                         | 13.79                       |                           |             |  |
| 15              | 64QAM      | 36      | 0         | 13.96                      | 13.95                         | 13.98                       |                           |             |  |
| 15              | 64QAM      | 36      | 20        | 14.00                      | 14.02                         | 13.95                       |                           |             |  |
| 15              | 64QAM      | 36      | 39        | 13.89                      | 13.93                         | 13.91                       |                           |             |  |
| 15              | 64QAM      | 75      | 0         | 13.96                      | 13.97                         | 13.91                       |                           |             |  |
| Channel         |            |         |           | 13202.2                    | 13232.2                       | 13262.2                     |                           |             |  |
| Frequency (MHz) |            |         |           | 1715                       | 1745                          | 1775                        | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| 10              | QPSK       | 1       | 0         | 13.80                      | 13.82                         | 13.86                       | 14.9                      | 0           |  |
| 10              | QPSK       | 1       | 25        | 13.91                      | 13.96                         | 13.96                       |                           |             |  |
| 10              | QPSK       | 1       | 49        | 13.61                      | 13.71                         | 13.89                       |                           |             |  |
| 10              | QPSK       | 25      | 0         | 14.00                      | 13.96                         | 13.96                       |                           |             |  |
| 10              | QPSK       | 25      | 12        | 14.04                      | 13.95                         | 14.01                       |                           |             |  |
| 10              | QPSK       | 25      | 25        | 13.97                      | 14.02                         | 14.01                       | 14.9                      | 0           |  |
| 10              | QPSK       | 50      | 0         | 13.99                      | 14.00                         | 13.97                       |                           |             |  |
| 10              | 16QAM      | 1       | 0         | 13.99                      | 14.04                         | 14.03                       |                           |             |  |
| 10              | 16QAM      | 1       | 25        | 14.25                      | 14.03                         | 14.03                       |                           |             |  |
| 10              | 16QAM      | 1       | 49        | 13.94                      | 14.04                         | 13.93                       |                           |             |  |
| 10              | 16QAM      | 25      | 0         | 13.94                      | 13.95                         | 13.93                       | 14.9                      | 0           |  |
| 10              | 16QAM      | 25      | 12        | 13.96                      | 13.96                         | 13.96                       |                           |             |  |
| 10              | 16QAM      | 25      | 25        | 13.87                      | 13.96                         | 13.93                       |                           |             |  |
| 10              | 16QAM      | 50      | 0         | 13.90                      | 13.89                         | 13.87                       |                           |             |  |
| 10              | 64QAM      | 1       | 0         | 14.00                      | 14.04                         | 14.20                       |                           |             |  |
| 10              | 64QAM      | 1       | 25        | 14.18                      | 14.02                         | 14.26                       | 14.9                      | 0           |  |
| 10              | 64QAM      | 1       | 49        | 13.83                      | 13.96                         | 13.85                       |                           |             |  |
| 10              | 64QAM      | 25      | 0         | 13.93                      | 13.96                         | 13.96                       |                           |             |  |
| 10              | 64QAM      | 25      | 12        | 14.00                      | 14.01                         | 13.95                       |                           |             |  |
| 10              | 64QAM      | 25      | 25        | 13.88                      | 13.94                         | 13.92                       |                           |             |  |
| 10              | 64QAM      | 50      | 0         | 13.90                      | 13.92                         | 13.87                       |                           |             |  |
| Channel         |            |         |           | 13199.7                    | 13232.2                       | 13264.7                     |                           |             |  |
| Frequency (MHz) |            |         |           | 1712.5                     | 1745                          | 1777.5                      | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| 5               | QPSK       | 1       | 0         | 13.89                      | 13.94                         | 13.94                       | 14.9                      | 0           |  |
| 5               | QPSK       | 1       | 12        | 14.00                      | 14.03                         | 14.01                       |                           |             |  |
| 5               | QPSK       | 1       | 24        | 13.89                      | 13.93                         | 13.88                       |                           |             |  |
| 5               | QPSK       | 12      | 0         | 14.00                      | 14.04                         | 14.03                       |                           |             |  |
| 5               | QPSK       | 12      | 7         | 14.07                      | 14.06                         | 13.94                       |                           |             |  |
| 5               | QPSK       | 12      | 13        | 14.03                      | 13.90                         | 14.06                       | 14.9                      | 0           |  |
| 5               | QPSK       | 25      | 0         | 14.02                      | 14.05                         | 14.04                       |                           |             |  |
| 5               | 16QAM      | 1       | 0         | 14.09                      | 14.26                         | 14.26                       |                           |             |  |
| 5               | 16QAM      | 1       | 12        | 14.21                      | 14.03                         | 14.25                       |                           |             |  |
| 5               | 16QAM      | 1       | 24        | 14.16                      | 14.21                         | 14.09                       |                           |             |  |
| 5               | 16QAM      | 12      | 0         | 14.05                      | 14.04                         | 14.06                       | 14.9                      | 0           |  |
| 5               | 16QAM      | 12      | 7         | 14.03                      | 14.06                         | 14.06                       |                           |             |  |
| 5               | 16QAM      | 12      | 13        | 13.98                      | 14.00                         | 13.95                       |                           |             |  |
| 5               | 16QAM      | 25      | 0         | 13.99                      | 13.97                         | 13.97                       |                           |             |  |
| 5               | 64QAM      | 1       | 0         | 14.16                      | 14.17                         | 14.17                       |                           |             |  |
| 5               | 64QAM      | 1       | 12        | 14.15                      | 14.22                         | 14.17                       | 14.9                      | 0           |  |
| 5               | 64QAM      | 1       | 24        | 14.01                      | 14.13                         | 14.16                       |                           |             |  |
| 5               | 64QAM      | 12      | 0         | 14.04                      | 14.00                         | 14.02                       |                           |             |  |
| 5               | 64QAM      | 12      | 7         | 14.00                      | 14.02                         | 14.04                       |                           |             |  |
| 5               | 64QAM      | 12      | 13        | 13.92                      | 13.96                         | 13.96                       |                           |             |  |
| 5               | 64QAM      | 25      | 0         | 13.97                      | 13.97                         | 13.94                       |                           |             |  |
| Channel         |            |         |           | 13198.7                    | 13232.2                       | 13265.7                     |                           |             |  |
| Frequency (MHz) |            |         |           | 1711.5                     | 1745                          | 1778.5                      | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| 3               | QPSK       | 1       | 0         | 13.88                      | 13.91                         | 13.84                       | 14.9                      | 0           |  |
| 3               | QPSK       | 1       | 8         | 13.96                      | 14.04                         | 13.98                       |                           |             |  |
| 3               | QPSK       | 1       | 14        | 13.92                      | 13.96                         | 13.96                       |                           |             |  |
| 3               | QPSK       | 8       | 0         | 14.00                      | 13.96                         | 13.90                       |                           |             |  |
| 3               | QPSK       | 8       | 4         | 14.04                      | 14.07                         | 14.01                       |                           |             |  |
| 3               | QPSK       | 8       | 7         | 14.03                      | 14.08                         | 13.97                       | 14.9                      | 0           |  |
| 3               | QPSK       | 15      | 0         | 14.00                      | 14.05                         | 13.99                       |                           |             |  |
| 3               | 16QAM      | 1       | 0         | 14.23                      | 14.26                         | 14.25                       |                           |             |  |
| 3               | 16QAM      | 1       | 8         | 14.27                      | 14.03                         | 14.24                       |                           |             |  |
| 3               | 16QAM      | 1       | 14        | 14.12                      | 14.21                         | 14.18                       |                           |             |  |
| 3               | 16QAM      | 8       | 0         | 14.03                      | 14.07                         | 14.02                       | 14.9                      | 0           |  |
| 3               | 16QAM      | 8       | 4         | 14.07                      | 14.12                         | 14.02                       |                           |             |  |
| 3               | 16QAM      | 8       | 7         | 13.96                      | 14.04                         | 13.96                       |                           |             |  |
| 3               | 16QAM      | 15      | 0         | 14.01                      | 13.96                         | 13.96                       |                           |             |  |
| 3               | 64QAM      | 1       | 0         | 14.20                      | 14.05                         | 14.12                       |                           |             |  |
| 3               | 64QAM      | 1       | 8         | 14.21                      | 14.03                         | 14.19                       | 14.9                      | 0           |  |
| 3               | 64QAM      | 1       | 14        | 14.03                      | 14.00                         | 14.00                       |                           |             |  |
| 3               | 64QAM      | 8       | 0         | 14.03                      | 13.96                         | 13.99                       |                           |             |  |
| 3               | 64QAM      | 8       | 4         | 14.03                      | 14.03                         | 14.06                       |                           |             |  |
| 3               | 64QAM      | 8       | 7         | 13.85                      | 13.86                         | 13.88                       |                           |             |  |
| 3               | 64QAM      | 15      | 0         | 13.95                      | 13.96                         | 13.92                       |                           |             |  |
| Channel         |            |         |           | 13197.9                    | 13232.2                       | 13268.5                     |                           |             |  |
| Frequency (MHz) |            |         |           | 1710.7                     | 1745                          | 1779.3                      | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| 1.4             | QPSK       | 1       | 0         | 13.85                      | 13.90                         | 13.80                       | 14.9                      | 0           |  |
| 1.4             | QPSK       | 1       | 3         | 13.94                      | 13.95                         | 13.88                       |                           |             |  |
| 1.4             | QPSK       | 1       | 5         | 13.87                      | 13.91                         | 13.80                       |                           |             |  |
| 1.4             | QPSK       | 3       | 0         | 13.85                      | 13.88                         | 13.83                       |                           |             |  |
| 1.4             | QPSK       | 3       | 1         | 13.92                      | 13.98                         | 13.86                       |                           |             |  |
| 1.4             | QPSK       | 3       | 3         | 13.91                      | 13.91                         | 13.85                       | 14.9                      | 0           |  |
| 1.4             | QPSK       | 6       | 0         | 13.97                      | 13.98                         | 13.89                       |                           |             |  |
| 1.4             | 16QAM      | 1       | 0         | 14.16                      | 14.18                         | 14.07                       |                           |             |  |
| 1.4             | 16QAM      | 1       | 3         | 14.19                      | 14.20                         | 14.08                       |                           |             |  |
| 1.4             | 16QAM      | 1       | 5         | 14.09                      | 14.13                         | 13.99                       | 14.9                      | 0           |  |
| 1.4             | 16QAM      | 3       | 0         | 13.93                      | 13.96                         | 13.95                       |                           |             |  |
| 1.4             | 16QAM      | 3       | 1         | 13.98                      | 14.01                         | 13.87                       |                           |             |  |
| 1.4             | 16QAM      | 3       | 3         | 13.97                      | 13.96                         | 13.85                       |                           |             |  |
| 1.4             | 16QAM      | 6       | 0         | 13.97                      | 13.99                         | 13.86                       |                           |             |  |
| 1.4             | 64QAM      | 1       | 0         | 14.07                      | 14.12                         | 14.01                       | 14.9                      | 0           |  |
| 1.4             | 64QAM      | 1       | 3         | 14.08                      | 14.12                         | 13.99                       |                           |             |  |
| 1.4             | 64QAM      | 1       | 5         | 14.02                      | 14.06                         | 13.97                       |                           |             |  |
| 1.4             | 64QAM      | 3       | 0         | 13.85                      | 14.04                         | 13.98                       |                           |             |  |
| 1.4             | 64QAM      | 3       | 1         | 14.02                      | 14.05                         | 14.03                       |                           |             |  |
| 1.4             | 64QAM      | 3       | 3         | 13.92                      | 14.03                         | 13.84                       | 14.9                      | 0           |  |
| 1.4             | 64QAM      | 6       | 0         | 13.81                      | 13.79                         | 13.83                       |                           |             |  |



## UAT-Reduced Power - DSI 3 for BodyWorn / Hotspot

| Band 2 (1900MHz Band) |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| Part 24E              |            |         |           |                       |                          |                        |                     |          |  |
| 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               |            |         |           | 18700                 | 18900                    | 19100                  |                     |          |  |
| Frequency (MHz)       |            |         |           | 18700                 | 18900                    | 19100                  |                     |          |  |
| 20                    | QPSK       | 1       | 0         | 15.02                 | 15.07                    | 15.00                  |                     |          |  |
| 20                    | QPSK       | 1       | 49        | 14.96                 | 14.89                    | 14.70                  | 15.8                | 0        |  |
| 20                    | QPSK       | 1       | 99        | 14.99                 | 14.88                    | 14.76                  |                     |          |  |
| 20                    | QPSK       | 50      | 0         | 14.56                 | 14.77                    | 14.54                  |                     |          |  |
| 20                    | QPSK       | 50      | 24        | 14.71                 | 14.73                    | 14.68                  |                     |          |  |
| 20                    | QPSK       | 50      | 50        | 14.65                 | 14.76                    | 14.58                  |                     |          |  |
| 20                    | QPSK       | 100     | 0         | 14.62                 | 14.67                    | 14.24                  |                     |          |  |
| 20                    | 16QAM      | 1       | 0         | 15.02                 | 15.04                    | 14.66                  |                     |          |  |
| 20                    | 16QAM      | 1       | 49        | 14.97                 | 14.99                    | 14.76                  | 15.8                | 0        |  |
| 20                    | 16QAM      | 1       | 99        | 14.83                 | 14.97                    | 15.04                  |                     |          |  |
| 20                    | 16QAM      | 50      | 0         | 14.59                 | 14.69                    | 14.65                  |                     |          |  |
| 20                    | 16QAM      | 50      | 24        | 14.74                 | 14.77                    | 14.86                  |                     |          |  |
| 20                    | 16QAM      | 50      | 50        | 14.69                 | 14.79                    | 14.85                  |                     |          |  |
| 20                    | 16QAM      | 100     | 0         | 14.65                 | 14.68                    | 14.71                  |                     |          |  |
| 20                    | 64QAM      | 1       | 0         | 14.54                 | 14.91                    | 14.56                  |                     |          |  |
| 20                    | 64QAM      | 1       | 49        | 14.54                 | 14.48                    | 14.52                  | 15.8                | 0        |  |
| 20                    | 64QAM      | 1       | 99        | 14.59                 | 14.76                    | 14.70                  |                     |          |  |
| 20                    | 64QAM      | 50      | 0         | 14.59                 | 14.69                    | 14.62                  |                     |          |  |
| 20                    | 64QAM      | 50      | 24        | 14.70                 | 14.76                    | 14.68                  |                     |          |  |
| 20                    | 64QAM      | 50      | 50        | 14.54                 | 14.79                    | 14.85                  | 15.8                | 0        |  |
| 20                    | 64QAM      | 100     | 0         | 14.25                 | 14.68                    | 14.74                  |                     |          |  |
| Channel               |            |         |           | 18975                 | 18900                    | 19125                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 1897.5                | 1880                     | 1902.5                 |                     |          |  |
| 15                    | QPSK       | 1       | 0         | 14.46                 | 14.71                    | 14.71                  |                     |          |  |
| 15                    | QPSK       | 1       | 37        | 14.51                 | 14.69                    | 14.74                  | 15.8                | 0        |  |
| 15                    | QPSK       | 1       | 74        | 14.43                 | 14.68                    | 14.74                  |                     |          |  |
| 15                    | QPSK       | 36      | 0         | 14.34                 | 14.71                    | 14.74                  |                     |          |  |
| 15                    | QPSK       | 36      | 20        | 14.69                 | 14.77                    | 14.92                  |                     |          |  |
| 15                    | QPSK       | 36      | 39        | 14.65                 | 14.80                    | 14.91                  | 15.8                | 0        |  |
| 15                    | QPSK       | 75      | 0         | 14.63                 | 14.72                    | 14.76                  |                     |          |  |
| 15                    | 16QAM      | 1       | 0         | 14.73                 | 15.05                    | 15.02                  |                     |          |  |
| 15                    | 16QAM      | 1       | 37        | 14.84                 | 14.94                    | 14.94                  | 15.8                | 0        |  |
| 15                    | 16QAM      | 1       | 74        | 14.73                 | 14.92                    | 14.95                  |                     |          |  |
| 15                    | 16QAM      | 36      | 0         | 14.59                 | 14.71                    | 14.72                  |                     |          |  |
| 15                    | 16QAM      | 36      | 20        | 14.67                 | 14.74                    | 14.84                  | 15.8                | 0        |  |
| 15                    | 16QAM      | 36      | 39        | 14.66                 | 14.81                    | 14.87                  |                     |          |  |
| 15                    | 16QAM      | 75      | 0         | 14.66                 | 14.69                    | 14.71                  |                     |          |  |
| 15                    | 64QAM      | 1       | 0         | 14.54                 | 14.85                    | 14.78                  |                     |          |  |
| 15                    | 64QAM      | 1       | 37        | 14.72                 | 14.77                    | 14.84                  | 15.8                | 0        |  |
| 15                    | 64QAM      | 1       | 74        | 14.65                 | 14.85                    | 14.72                  |                     |          |  |
| 15                    | 64QAM      | 36      | 0         | 14.57                 | 14.70                    | 14.74                  |                     |          |  |
| 15                    | 64QAM      | 36      | 20        | 14.72                 | 14.75                    | 14.88                  | 15.8                | 0        |  |
| 15                    | 64QAM      | 36      | 39        | 14.66                 | 14.72                    | 14.86                  |                     |          |  |
| 15                    | 64QAM      | 75      | 0         | 14.68                 | 14.69                    | 15.01                  |                     |          |  |
| Channel               |            |         |           | 19050                 | 18900                    | 19150                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 1905                  | 1880                     | 1905                   |                     |          |  |
| 10                    | QPSK       | 1       | 0         | 14.58                 | 14.72                    | 14.86                  |                     |          |  |
| 10                    | QPSK       | 1       | 25        | 14.58                 | 14.70                    | 14.82                  | 15.8                | 0        |  |
| 10                    | QPSK       | 1       | 49        | 14.62                 | 14.56                    | 14.80                  |                     |          |  |
| 10                    | QPSK       | 25      | 0         | 14.66                 | 14.78                    | 14.80                  |                     |          |  |
| 10                    | QPSK       | 25      | 12        | 14.70                 | 14.76                    | 14.89                  |                     |          |  |
| 10                    | QPSK       | 25      | 25        | 14.58                 | 14.75                    | 14.89                  | 15.8                | 0        |  |
| 10                    | QPSK       | 50      | 0         | 14.64                 | 14.65                    | 14.76                  |                     |          |  |
| 10                    | 16QAM      | 1       | 0         | 14.76                 | 14.74                    | 14.79                  |                     |          |  |
| 10                    | 16QAM      | 1       | 25        | 14.96                 | 14.89                    | 14.89                  | 15.8                | 0        |  |
| 10                    | 16QAM      | 1       | 49        | 14.88                 | 14.85                    | 14.88                  |                     |          |  |
| 10                    | 16QAM      | 25      | 0         | 14.66                 | 14.69                    | 14.63                  |                     |          |  |
| 10                    | 16QAM      | 25      | 12        | 14.74                 | 14.79                    | 14.84                  | 15.8                | 0        |  |
| 10                    | 16QAM      | 25      | 25        | 14.61                 | 14.74                    | 14.78                  |                     |          |  |
| 10                    | 16QAM      | 50      | 0         | 14.61                 | 14.68                    | 14.69                  |                     |          |  |
| 10                    | 64QAM      | 1       | 0         | 14.76                 | 14.70                    | 14.69                  |                     |          |  |
| 10                    | 64QAM      | 1       | 25        | 14.86                 | 14.78                    | 14.87                  | 15.8                | 0        |  |
| 10                    | 64QAM      | 1       | 49        | 14.68                 | 14.81                    | 14.88                  |                     |          |  |
| 10                    | 64QAM      | 25      | 0         | 14.65                 | 14.70                    | 15.01                  |                     |          |  |
| 10                    | 64QAM      | 25      | 12        | 14.71                 | 14.76                    | 14.82                  | 15.8                | 0        |  |
| 10                    | 64QAM      | 25      | 25        | 14.68                 | 14.82                    | 14.79                  |                     |          |  |
| 10                    | 64QAM      | 50      | 0         | 14.75                 | 14.64                    | 15.02                  |                     |          |  |
| Channel               |            |         |           | 18925                 | 18900                    | 19175                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 1892.5                | 1880                     | 1907.5                 |                     |          |  |
| 5                     | QPSK       | 1       | 0         | 14.57                 | 14.60                    | 14.72                  |                     |          |  |
| 5                     | QPSK       | 1       | 12        | 14.67                 | 14.77                    | 14.78                  | 15.8                | 0        |  |
| 5                     | QPSK       | 1       | 24        | 14.46                 | 14.62                    | 14.65                  |                     |          |  |
| 5                     | QPSK       | 12      | 0         | 14.76                 | 14.78                    | 14.96                  |                     |          |  |
| 5                     | QPSK       | 12      | 7         | 14.74                 | 14.82                    | 14.94                  | 15.8                | 0        |  |
| 5                     | QPSK       | 12      | 13        | 14.68                 | 14.80                    | 14.90                  |                     |          |  |
| 5                     | QPSK       | 25      | 0         | 14.70                 | 14.74                    | 14.95                  |                     |          |  |
| 5                     | 16QAM      | 1       | 0         | 15.00                 | 15.01                    | 14.98                  |                     |          |  |
| 5                     | 16QAM      | 1       | 12        | 15.06                 | 14.89                    | 14.89                  | 15.8                | 0        |  |
| 5                     | 16QAM      | 1       | 24        | 14.90                 | 14.98                    | 15.05                  |                     |          |  |
| 5                     | 16QAM      | 12      | 0         | 14.78                 | 14.84                    | 14.94                  |                     |          |  |
| 5                     | 16QAM      | 12      | 7         | 14.79                 | 14.83                    | 14.94                  | 15.8                | 0        |  |
| 5                     | 16QAM      | 12      | 13        | 14.68                 | 14.82                    | 14.88                  |                     |          |  |
| 5                     | 16QAM      | 25      | 0         | 14.71                 | 14.75                    | 14.88                  |                     |          |  |
| 5                     | 64QAM      | 1       | 0         | 14.90                 | 14.90                    | 14.97                  |                     |          |  |
| 5                     | 64QAM      | 1       | 12        | 14.93                 | 15.05                    | 14.89                  | 15.8                | 0        |  |
| 5                     | 64QAM      | 1       | 24        | 14.73                 | 14.67                    | 14.90                  |                     |          |  |
| 5                     | 64QAM      | 12      | 0         | 14.73                 | 14.65                    | 14.89                  |                     |          |  |
| 5                     | 64QAM      | 12      | 7         | 14.72                 | 14.78                    | 14.93                  | 15.8                | 0        |  |
| 5                     | 64QAM      | 12      | 13        | 14.65                 | 14.58                    | 14.87                  |                     |          |  |
| 5                     | 64QAM      | 25      | 0         | 14.69                 | 14.73                    | 14.86                  |                     |          |  |
| Channel               |            |         |           | 18815                 | 18900                    | 19185                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 1881.5                | 1880                     | 1908.5                 |                     |          |  |
| 3                     | QPSK       | 1       | 0         | 14.65                 | 14.67                    | 14.86                  |                     |          |  |
| 3                     | QPSK       | 1       | 8         | 14.69                 | 14.76                    | 14.91                  | 15.8                | 0        |  |
| 3                     | QPSK       | 1       | 14        | 14.52                 | 14.54                    | 14.77                  |                     |          |  |
| 3                     | QPSK       | 8       | 0         | 14.71                 | 14.71                    | 14.97                  |                     |          |  |
| 3                     | QPSK       | 8       | 4         | 14.74                 | 14.81                    | 14.94                  | 15.8                | 0        |  |
| 3                     | QPSK       | 8       | 7         | 14.68                 | 14.74                    | 14.88                  |                     |          |  |
| 3                     | QPSK       | 15      | 0         | 14.72                 | 14.80                    | 14.95                  |                     |          |  |
| 3                     | 16QAM      | 1       | 0         | 15.00                 | 15.06                    | 14.89                  |                     |          |  |
| 3                     | 16QAM      | 1       | 8         | 14.78                 | 14.89                    | 14.88                  | 15.8                | 0        |  |
| 3                     | 16QAM      | 1       | 14        | 14.90                 | 14.98                    | 15.02                  |                     |          |  |
| 3                     | 16QAM      | 8       | 0         | 14.84                 | 14.86                    | 15.03                  |                     |          |  |
| 3                     | 16QAM      | 8       | 4         | 14.83                 | 14.93                    | 15.04                  | 15.8                | 0        |  |
| 3                     | 16QAM      | 8       | 7         | 14.74                 | 14.83                    | 14.93                  |                     |          |  |
| 3                     | 16QAM      | 15      | 0         | 14.77                 | 14.87                    | 14.96                  |                     |          |  |
| 3                     | 64QAM      | 1       | 0         | 14.87                 | 14.93                    | 15.06                  |                     |          |  |
| 3                     | 64QAM      | 1       | 8         | 14.98                 | 15.05                    | 14.87                  | 15.8                | 0        |  |
| 3                     | 64QAM      | 1       | 14        | 14.92                 | 14.96                    | 14.88                  |                     |          |  |
| 3                     | 64QAM      | 8       | 0         | 14.66                 | 14.91                    | 14.94                  |                     |          |  |
| 3                     | 64QAM      | 8       | 4         | 14.75                 | 14.83                    | 14.94                  | 15.8                | 0        |  |
| 3                     | 64QAM      | 8       | 7         | 14.65                 | 14.83                    | 14.90                  |                     |          |  |
| 3                     | 64QAM      | 15      | 0         | 14.65                 | 14.84                    | 15.01                  |                     |          |  |
| Channel               |            |         |           | 19007                 | 18900                    | 19193                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 1900.7                | 1880                     | 1909.3                 |                     |          |  |
| 1.4                   | QPSK       | 1       | 0         | 14.51                 | 14.65                    | 14.80                  |                     |          |  |
| 1.4                   | QPSK       | 1       | 3         | 14.54                 | 14.69                    | 14.81                  | 15.8                | 0        |  |
| 1.4                   | QPSK       | 1       | 5         | 14.51                 | 14.62                    | 14.70                  |                     |          |  |
| 1.4                   | QPSK       | 3       | 0         | 14.55                 | 14.68                    | 14.82                  |                     |          |  |
| 1.4                   | QPSK       | 3       | 1         | 14.59                 | 14.77                    | 14.86                  |                     |          |  |
| 1.4                   | QPSK       | 3       | 3         | 14.55                 | 14.65                    | 14.79                  | 15.8                | 0        |  |
| 1.4                   | QPSK       | 6       | 0         | 14.64                 | 14.77                    | 14.85                  |                     |          |  |
| 1.4                   | 16QAM      | 1       | 0         | 14.85                 | 15.03                    | 14.88                  |                     |          |  |
| 1.4                   | 16QAM      | 1       | 3         | 14.83                 | 15.03                    | 14.87                  |                     |          |  |
| 1.4                   | 16QAM      | 1       | 5         | 14.85                 | 14.93                    | 15.04                  | 15.8                | 0        |  |
| 1.4                   | 16QAM      | 3       | 0         | 14.71                 | 14.86                    | 14.96                  |                     |          |  |
| 1.4                   | 16QAM      | 3       | 1         | 14.73                 | 14.90                    | 14.96                  |                     |          |  |
| 1.4                   | 16QAM      | 3       | 3         | 14.67                 | 14.83                    | 14.87                  | 15.8                | 0        |  |
| 1.4                   | 16QAM      | 6       | 0         | 14.66                 | 14.84                    | 14.88                  |                     |          |  |
| 1.4                   | 64QAM      | 1       | 0         | 14.80                 | 14.94                    | 14.94                  |                     |          |  |
| 1.4                   | 64QAM      | 1       | 3         | 14.83                 | 14.93                    | 15.01                  |                     |          |  |
| 1.4                   | 64QAM      | 1       | 5         | 14.74                 | 14.83                    | 14.89                  | 15.8                | 0        |  |
| 1.4                   | 64QAM      | 3       | 0         | 14.73                 | 14.90                    | 14.96                  |                     |          |  |
| 1.4                   | 64QAM      | 3       | 1         | 14.82                 | 14.94                    | 15.00                  |                     |          |  |
| 1.4                   | 64QAM      | 3       | 3         | 14.68                 | 14.85                    | 14.95                  |                     |          |  |
| 1.4                   | 64QAM      | 6       | 0         | 14.84                 | 14.80                    | 14.95                  | 15.8                | 0        |  |

| Band 4 (AWS Band)                   |            |         |           |                     |                        |                      |                     |          |  |
|-------------------------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|
| Part 27L (only on channel required) |            |         |           |                     |                        |                      |                     |          |  |
| 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                             |            |         |           | 20050               | 20175                  | 20300                |                     |          |  |
| Frequency (MHz)                     |            |         |           | 1720                | 1732.5                 | 1745                 |                     |          |  |
| 20                                  | QPSK       | 1       | 0         | 15.23               | 15.34                  | 15.21                |                     |          |  |
| 20                                  | QPSK       | 1       | 49        | 15.02               | 15.06                  | 15.12                | 16.5                | 0        |  |
| 20                                  | QPSK       | 1       | 99        | 14.98               | 14.92                  | 15.12                |                     |          |  |
| 20                                  | QPSK       | 50      | 0         | 15.08               | 15.22                  | 15.10                |                     |          |  |
| 20                                  | QPSK       | 50      | 24        | 15.21               | 15.14                  | 15.16                |                     |          |  |
| 20                                  | QPSK       | 50      | 50        | 15.09               | 15.15                  | 15.12                | 16.5                | 0        |  |
| 20                                  | QPSK       | 100     | 0         | 15.07               | 15.12                  | 15.09                |                     |          |  |
| 20                                  | 16QAM      | 1       | 0         | 15.22               | 15.23                  | 15.12                |                     |          |  |
| 20                                  | 16QAM      | 1       | 49        | 15.23               | 15.21                  | 15.21                | 16.5                | 0        |  |
| 20                                  | 16QAM      | 1       | 99        | 15.12               | 15.16                  | 15.03                |                     |          |  |
| 20                                  | 16QAM      | 50      | 0         | 15.08               | 15.11                  | 15.12                |                     |          |  |
| 20                                  | 16QAM      | 50      | 24        | 15.20               | 15.13                  | 15.10                |                     |          |  |
| 20                                  | 16QAM      | 50      | 50        | 15.09               | 15.13                  | 15.10                | 16.5                | 0        |  |
| 20                                  | 16QAM      | 100     | 0         | 15.10               | 15.08                  | 15.11                |                     |          |  |
| 20                                  | 56QAM      | 1       | 0         | 15.13               | 15.13                  | 15.31                |                     |          |  |
| 20                                  | 56QAM      | 1       | 49        | 15.04               | 15.07                  | 15.13                | 16.5                | 0        |  |
| 20                                  | 56QAM      | 1       | 99        | 15.06               | 15.12                  | 15.07                |                     |          |  |
| 20                                  | 56QAM      | 50      | 0         | 15.03               | 15.05                  | 15.12                |                     |          |  |
| 20                                  | 56QAM      | 50      | 24        | 15.19               | 15.13                  | 15.14                | 16.5                | 0        |  |
| 20                                  | 56QAM      | 50      | 50        | 15.01               | 15.01                  | 15.14                |                     |          |  |
| 20                                  | 56QAM      | 100     | 0         | 15.03               | 15.41                  | 15.07                |                     |          |  |
| Channel                             |            |         |           | 20050               | 20175                  | 20300                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)                     |            |         |           | 1717.5              | 1732.5                 | 1747.5               |                     |          |  |
| 15                                  | QPSK       | 1       | 0         | 15.12               | 15.14                  | 14.90                |                     |          |  |
| 15                                  | QPSK       | 1       | 37        | 15.14               | 15.03                  | 15.12                | 16.5                | 0        |  |
| 15                                  | QPSK       | 1       | 74        | 14.98               | 14.95                  | 14.90                |                     |          |  |
| 15                                  | QPSK       | 36      | 0         | 15.10               | 15.07                  | 15.14                |                     |          |  |
| 15                                  | QPSK       | 36      | 20        | 15.22               | 15.12                  | 15.23                | 16.5                | 0        |  |
| 15                                  | QPSK       | 36      | 39        | 15.11               | 15.17                  | 15.14                |                     |          |  |
| 15                                  | QPSK       | 75      | 0         | 15.14               | 15.06                  | 15.11                |                     |          |  |
| 15                                  | 16QAM      | 1       | 0         | 15.13               | 15.25                  | 15.33                |                     |          |  |
| 15                                  | 16QAM      | 1       | 37        | 15.21               | 15.23                  | 15.12                | 16.5                | 0        |  |
| 15                                  | 16QAM      | 1       | 74        | 15.22               | 15.27                  | 15.19                |                     |          |  |
| 15                                  | 16QAM      | 36      | 0         | 15.09               | 15.08                  | 15.14                |                     |          |  |
| 15                                  | 16QAM      | 36      | 20        | 15.20               | 15.16                  | 15.24                | 16.5                | 0        |  |
| 15                                  | 16QAM      | 36      | 39        | 15.09               | 15.20                  | 15.16                |                     |          |  |
| 15                                  | 16QAM      | 75      | 0         | 15.13               | 15.08                  | 15.10                |                     |          |  |
| 15                                  | 56QAM      | 1       | 0         | 15.29               | 15.19                  | 15.18                |                     |          |  |
| 15                                  | 56QAM      | 1       | 37        | 15.26               | 15.08                  | 15.23                | 16.5                | 0        |  |
| 15                                  | 56QAM      | 1       | 74        | 15.18               | 15.19                  | 15.11                |                     |          |  |
| 15                                  | 56QAM      | 36      | 0         | 15.08               | 15.07                  | 15.14                |                     |          |  |
| 15                                  | 56QAM      | 36      | 20        | 15.19               | 15.13                  | 15.04                | 16.5                | 0        |  |
| 15                                  | 56QAM      | 36      | 39        | 15.10               | 15.16                  | 15.14                |                     |          |  |
| 15                                  | 56QAM      | 75      | 0         | 15.08               | 15.11                  | 15.03                |                     |          |  |
| Channel                             |            |         |           | 20000               | 20175                  | 20350                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)                     |            |         |           | 1715                | 1732.5                 | 1750                 |                     |          |  |
| 10                                  | QPSK       | 1       | 0         | 14.85               | 14.81                  | 14.81                |                     |          |  |
| 10                                  | QPSK       | 1       | 25        | 15.16               | 15.15                  | 15.14                | 16.5                | 0        |  |
| 10                                  | QPSK       | 1       | 49        | 14.79               | 14.81                  | 14.74                |                     |          |  |
| 10                                  | QPSK       | 25      | 0         | 15.13               | 15.04                  | 15.13                |                     |          |  |
| 10                                  | QPSK       | 25      | 12        | 15.19               | 15.12                  | 14.98                | 16.5                | 0        |  |
| 10                                  | QPSK       | 25      | 25        | 15.06               | 15.11                  | 15.08                |                     |          |  |
| 10                                  | QPSK       | 50      | 0         | 15.11               | 15.05                  | 15.11                |                     |          |  |
| 10                                  | 16QAM      | 1       | 0         | 15.23               | 15.20                  | 15.14                |                     |          |  |
| 10                                  | 16QAM      | 1       | 25        | 15.23               | 15.21                  | 15.32                | 16.5                | 0        |  |
| 10                                  | 16QAM      | 1       | 49        | 15.06               | 15.17                  | 15.12                |                     |          |  |
| 10                                  | 16QAM      | 25      | 0         | 15.13               | 15.11                  | 15.08                |                     |          |  |
| 10                                  | 16QAM      | 25      | 12        | 15.21               | 15.19                  | 15.16                | 16.5                | 0        |  |
| 10                                  | 16QAM      | 25      | 25        | 15.09               | 15.15                  | 15.07                |                     |          |  |
| 10                                  | 16QAM      | 50      | 0         | 15.11               | 15.09                  | 15.04                |                     |          |  |
| 10                                  | 56QAM      | 1       | 0         | 15.25               | 15.21                  | 15.12                |                     |          |  |
| 10                                  | 56QAM      | 1       | 25        | 15.14               | 15.14                  | 15.17                | 16.5                | 0        |  |
| 10                                  | 56QAM      | 1       | 49        | 15.08               | 15.29                  | 15.02                |                     |          |  |
| 10                                  | 56QAM      | 25      | 0         | 15.15               | 15.13                  | 15.14                | 16.5                | 0        |  |
| 10                                  | 56QAM      | 25      | 12        | 15.23               | 15.44                  | 15.17                |                     |          |  |
| 10                                  | 56QAM      | 25      | 25        | 15.12               | 15.14                  | 15.11                | 16.5                | 0        |  |
| 10                                  | 56QAM      | 50      | 0         | 15.23               | 15.04                  | 15.14                |                     |          |  |
| Channel                             |            |         |           | 19975               | 20175                  | 20350                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)                     |            |         |           | 1712.5              | 1732.5                 | 1752.5               |                     |          |  |
| 5                                   | QPSK       | 1       | 0         | 15.11               | 15.00                  | 15.08                |                     |          |  |
| 5                                   | QPSK       | 1       | 12        | 15.14               | 15.14                  | 15.07                | 16.5                | 0        |  |
| 5                                   | QPSK       | 1       | 24        | 15.16               | 15.01                  | 14.93                |                     |          |  |
| 5                                   | QPSK       | 12      | 0         | 15.21               | 15.15                  | 15.19                |                     |          |  |
| 5                                   | QPSK       | 12      | 7         | 15.20               | 15.17                  | 15.22                | 16.5                | 0        |  |
| 5                                   | QPSK       | 12      | 13        | 15.18               | 15.19                  | 15.14                |                     |          |  |
| 5                                   | QPSK       | 25      | 0         | 15.18               | 15.09                  | 15.18                |                     |          |  |
| 5                                   | 16QAM      | 1       | 0         | 15.23               | 15.29                  | 15.13                |                     |          |  |
| 5                                   | 16QAM      | 1       | 12        | 15.23               | 15.30                  | 15.13                | 16.5                | 0        |  |
| 5                                   | 16QAM      | 1       | 24        | 15.13               | 15.11                  | 15.28                |                     |          |  |
| 5                                   | 16QAM      | 12      | 0         | 15.24               | 15.18                  | 15.24                |                     |          |  |
| 5                                   | 16QAM      | 12      | 7         | 15.24               | 15.19                  | 15.26                | 16.5                | 0        |  |
| 5                                   | 16QAM      | 12      | 13        | 15.20               | 15.20                  | 15.15                |                     |          |  |
| 5                                   | 16QAM      | 25      | 0         | 15.21               | 15.14                  | 15.16                |                     |          |  |
| 5                                   | 56QAM      | 1       | 0         | 15.11               | 15.23                  | 15.12                |                     |          |  |
| 5                                   | 56QAM      | 1       | 12        | 15.12               | 15.11                  | 15.11                | 16.5                | 0        |  |
| 5                                   | 56QAM      | 1       | 24        | 15.24               | 15.21                  | 15.22                |                     |          |  |
| 5                                   | 56QAM      | 12      | 0         | 15.21               | 15.15                  | 15.19                |                     |          |  |
| 5                                   | 56QAM      | 12      | 7         | 15.27               | 15.21                  | 15.22                | 16.5                | 0        |  |
| 5                                   | 56QAM      | 12      | 13        | 15.19               | 15.20                  | 15.12                |                     |          |  |
| 5                                   | 56QAM      | 25      | 0         | 15.05               | 15.15                  | 15.12                |                     |          |  |
| Channel                             |            |         |           | 19955               | 20175                  | 20365                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)                     |            |         |           | 1711.5              | 1732.5                 | 1753.5               |                     |          |  |
| 3                                   | QPSK       | 1       | 0         | 15.17               | 15.11                  | 15.05                |                     |          |  |
| 3                                   | QPSK       | 1       | 8         | 15.15               | 15.08                  | 15.10                | 16.5                | 0        |  |
| 3                                   | QPSK       | 1       | 14        | 15.08               | 15.12                  | 15.00                |                     |          |  |
| 3                                   | QPSK       | 8       | 0         | 15.12               | 15.03                  | 15.19                |                     |          |  |
| 3                                   | QPSK       | 8       | 4         | 15.14               | 15.24                  | 15.19                | 16.5                | 0        |  |
| 3                                   | QPSK       | 8       | 7         | 15.18               | 15.19                  | 15.11                |                     |          |  |
| 3                                   | QPSK       | 15      | 0         | 15.20               | 15.12                  | 15.15                |                     |          |  |
| 3                                   | 16QAM      | 1       | 0         | 15.21               | 15.12                  | 15.17                |                     |          |  |
| 3                                   | 16QAM      | 1       | 8         | 15.21               | 15.14                  | 15.22                | 16.5                | 0        |  |
| 3                                   | 16QAM      | 1       | 14        | 15.12               | 15.13                  | 15.11                |                     |          |  |
| 3                                   | 16QAM      | 8       | 0         | 15.29               | 15.18                  | 15.27                |                     |          |  |
| 3                                   | 16QAM      | 8       | 4         | 15.29               | 15.25                  | 15.24                | 16.5                | 0        |  |
| 3                                   | 16QAM      | 8       | 7         | 15.23               | 15.21                  | 15.18                |                     |          |  |
| 3                                   | 16QAM      | 15      | 0         | 15.21               | 15.18                  | 15.20                |                     |          |  |
| 3                                   | 56QAM      | 1       | 0         | 15.13               | 15.12                  | 15.12                | 16.5                | 0        |  |
| 3                                   | 56QAM      | 1       | 8         | 15.12               | 15.12                  | 15.13                |                     |          |  |
| 3                                   | 56QAM      | 1       | 14        | 15.29               | 15.12                  | 15.31                |                     |          |  |
| 3                                   | 56QAM      | 8       | 0         | 15.24               | 15.18                  | 15.17                |                     |          |  |
| 3                                   | 56QAM      | 8       | 4         | 15.13               | 15.23                  | 15.27                | 16.5                | 0        |  |
| 3                                   | 56QAM      | 8       | 7         | 15.26               | 15.12                  | 15.14                |                     |          |  |
| 3                                   | 56QAM      | 15      | 0         | 15.21               | 15.00                  | 15.14                |                     |          |  |
| Channel                             |            |         |           | 19957               | 20175                  | 20393                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)                     |            |         |           | 1710.7              | 1732.5                 | 1754.3               |                     |          |  |
| 1.4                                 | QPSK       | 1       | 0         | 15.04               | 15.08                  | 15.02                |                     |          |  |
| 1.4                                 | QPSK       | 1       | 3         | 15.10               | 15.09                  | 15.05                | 16.5                | 0        |  |
| 1.4                                 | QPSK       | 1       | 5         | 15.08               | 14.98                  | 15.04                |                     |          |  |
| 1.4                                 | QPSK       | 3       | 0         | 15.07               | 15.07                  | 15.07                |                     |          |  |
| 1.4                                 | QPSK       | 3       | 1         | 15.08               | 15.09                  | 15.06                |                     |          |  |
| 1.4                                 | QPSK       | 3       | 3         | 15.06               | 15.04                  | 15.04                |                     |          |  |
| 1.4                                 | QPSK       | 6       | 0         | 15.14               | 15.13                  | 15.08                | 16.5                | 0        |  |
| 1.4                                 | 16QAM      | 1       | 0         | 15.12               | 15.12                  | 15.11                |                     |          |  |
| 1.4                                 | 16QAM      | 1       | 3         | 15.12               | 15.22                  | 15.12                |                     |          |  |
| 1.4                                 | 16QAM      | 1       | 5         | 15.12               | 15.33                  | 15.11                | 16.5                | 0        |  |
| 1.4                                 | 16QAM      | 3       | 0         | 15.16               | 15.15                  | 15.10                |                     |          |  |
| 1.4                                 | 16QAM      | 3       | 1         | 15.21               | 15.21                  | 15.18                |                     |          |  |
| 1.4                                 | 16QAM      | 3       | 3         | 15.11               | 15.12                  | 15.09                |                     |          |  |
| 1.4                                 | 16QAM      | 6       | 0         | 15.26               | 15.31                  | 15.15                | 16.5                | 0        |  |
| 1.4                                 | 56QAM      | 1       | 0         | 15.30               | 15.27                  | 15.12                |                     |          |  |
| 1.4                                 | 56QAM      | 1       | 3         | 15.33               | 15.29                  | 15.13                |                     |          |  |
| 1.4                                 | 56QAM      | 1       | 5         | 15.26               | 15.23                  | 15.13                | 16.5                | 0        |  |
| 1.4                                 | 56QAM      | 3       | 0         | 15.29               | 15.15                  | 15.13                |                     |          |  |
| 1.4                                 | 56QAM      | 3       | 1         | 15.24               | 15.07                  | 15.22                |                     |          |  |
| 1.4                                 | 56QAM      | 3       | 3         | 15.01               | 15.26                  | 15.13                |                     |          |  |
| 1.4                                 | 56QAM      | 6       | 0         | 15.09               | 15.09                  | 15.18                | 16.5                | 0        |  |

| Band 66         |            |         |           |                       |                          |                        |                     |          |  |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|
| 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         |            |         |           | 130072                | 130322                   | 130572                 |                     |          |  |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |  |  |
| 20              | QPSK       | 1       | 0         | 15.23                 | 15.40                    | 15.14                  | 16.5                | 0        |  |  |
| 20              | QPSK       | 1       | 49        | 15.09                 | 15.18                    | 15.14                  |                     |          |  |  |
| 20              | QPSK       | 1       | 99        | 15.22                 | 15.23                    | 15.32                  |                     |          |  |  |
| 20              | QPSK       | 50      | 0         | 15.16                 | 15.27                    | 15.19                  | 16.5                | 0        |  |  |
| 20              | QPSK       | 50      | 24        | 15.26                 | 15.24                    | 15.22                  |                     |          |  |  |
| 20              | QPSK       | 50      | 50        | 15.11                 | 15.17                    | 15.21                  |                     |          |  |  |
| 20              | QPSK       | 100     | 0         | 15.15                 | 15.19                    | 15.15                  | 16.5                | 0        |  |  |
| 20              | 16QAM      | 1       | 0         | 15.29                 | 15.32                    | 15.21                  |                     |          |  |  |
| 20              | 16QAM      | 1       | 49        | 15.11                 | 15.22                    | 15.21                  |                     |          |  |  |
| 20              | 16QAM      | 1       | 99        | 15.13                 | 15.21                    | 15.25                  | 16.5                | 0        |  |  |
| 20              | 16QAM      | 50      | 0         | 15.19                 | 15.14                    | 15.20                  |                     |          |  |  |
| 20              | 16QAM      | 50      | 24        | 15.28                 | 15.26                    | 15.25                  |                     |          |  |  |
| 20              | 16QAM      | 50      | 50        | 15.14                 | 15.21                    | 15.13                  | 16.5                | 0        |  |  |
| 20              | 16QAM      | 100     | 0         | 15.18                 | 15.17                    | 15.14                  |                     |          |  |  |
| 20              | 64QAM      | 1       | 0         | 15.30                 | 14.95                    | 15.22                  |                     |          |  |  |
| 20              | 64QAM      | 1       | 49        | 15.21                 | 14.95                    | 15.18                  | 16.5                | 0        |  |  |
| 20              | 64QAM      | 1       | 99        | 15.15                 | 15.18                    | 15.21                  |                     |          |  |  |
| 20              | 64QAM      | 50      | 0         | 15.16                 | 15.22                    | 15.15                  |                     |          |  |  |
| 20              | 64QAM      | 50      | 24        | 15.24                 | 15.28                    | 15.21                  | 16.5                | 0        |  |  |
| 20              | 64QAM      | 50      | 50        | 15.12                 | 15.21                    | 15.14                  |                     |          |  |  |
| 20              | 64QAM      | 100     | 0         | 15.19                 | 15.18                    | 15.16                  |                     |          |  |  |
| Channel         |            |         |           | 132047                | 132322                   | 132597                 | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |  |  |
| 15              | QPSK       | 1       | 0         | 15.04                 | 15.12                    | 15.08                  | 16.5                | 0        |  |  |
| 15              | QPSK       | 1       | 37        | 15.07                 | 15.17                    | 15.10                  |                     |          |  |  |
| 15              | QPSK       | 1       | 74        | 14.92                 | 15.01                    | 14.99                  |                     |          |  |  |
| 15              | QPSK       | 36      | 0         | 15.20                 | 15.24                    | 15.23                  | 16.5                | 0        |  |  |
| 15              | QPSK       | 36      | 20        | 15.25                 | 15.25                    | 15.19                  |                     |          |  |  |
| 15              | QPSK       | 36      | 39        | 15.12                 | 15.22                    | 15.16                  |                     |          |  |  |
| 15              | QPSK       | 75      | 0         | 15.23                 | 15.20                    | 15.16                  | 16.5                | 0        |  |  |
| 15              | 16QAM      | 1       | 0         | 15.21                 | 15.21                    | 15.22                  |                     |          |  |  |
| 15              | 16QAM      | 1       | 37        | 15.21                 | 15.21                    | 15.22                  |                     |          |  |  |
| 15              | 16QAM      | 1       | 74        | 15.24                 | 15.23                    | 15.31                  | 16.5                | 0        |  |  |
| 15              | 16QAM      | 36      | 0         | 15.20                 | 15.26                    | 15.23                  |                     |          |  |  |
| 15              | 16QAM      | 36      | 20        | 15.26                 | 15.26                    | 15.23                  |                     |          |  |  |
| 15              | 16QAM      | 36      | 39        | 15.15                 | 15.22                    | 15.14                  | 16.5                | 0        |  |  |
| 15              | 16QAM      | 75      | 0         | 15.21                 | 15.23                    | 15.23                  |                     |          |  |  |
| 15              | 64QAM      | 1       | 0         | 15.21                 | 15.21                    | 15.23                  | 16.5                | 0        |  |  |
| 15              | 64QAM      | 1       | 37        | 15.31                 | 15.23                    | 15.36                  |                     |          |  |  |
| 15              | 64QAM      | 1       | 74        | 15.22                 | 15.17                    | 15.16                  |                     |          |  |  |
| 15              | 64QAM      | 36      | 0         | 15.20                 | 15.27                    | 15.18                  | 16.5                | 0        |  |  |
| 15              | 64QAM      | 36      | 20        | 15.25                 | 15.21                    | 15.16                  |                     |          |  |  |
| 15              | 64QAM      | 36      | 39        | 15.17                 | 15.13                    | 15.15                  |                     |          |  |  |
| 15              | 64QAM      | 75      | 0         | 15.20                 | 15.19                    | 15.17                  |                     |          |  |  |
| Channel         |            |         |           | 132022                | 132322                   | 132622                 | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |  |  |
| 10              | QPSK       | 1       | 0         | 14.83                 | 14.85                    | 14.85                  | 16.5                | 0        |  |  |
| 10              | QPSK       | 1       | 25        | 15.09                 | 15.09                    | 15.08                  |                     |          |  |  |
| 10              | QPSK       | 1       | 49        | 14.77                 | 14.92                    | 15.21                  |                     |          |  |  |
| 10              | QPSK       | 25      | 0         | 15.14                 | 15.19                    | 15.19                  | 16.5                | 0        |  |  |
| 10              | QPSK       | 25      | 12        | 15.18                 | 15.25                    | 15.14                  |                     |          |  |  |
| 10              | QPSK       | 25      | 25        | 15.10                 | 15.21                    | 15.17                  |                     |          |  |  |
| 10              | QPSK       | 50      | 0         | 15.11                 | 15.19                    | 15.11                  | 16.5                | 0        |  |  |
| 10              | 16QAM      | 1       | 0         | 15.21                 | 15.27                    | 15.22                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 25        | 15.21                 | 15.23                    | 15.21                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 49        | 15.21                 | 15.26                    | 15.15                  | 16.5                | 0        |  |  |
| 10              | 16QAM      | 25      | 0         | 15.18                 | 15.13                    | 15.11                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 12        | 15.21                 | 15.21                    | 15.13                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 25        | 15.08                 | 15.15                    | 15.09                  | 16.5                | 0        |  |  |
| 10              | 16QAM      | 50      | 0         | 15.12                 | 15.13                    | 15.07                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 0         | 15.25                 | 15.31                    | 15.19                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 25        | 15.22                 | 15.36                    | 15.23                  | 16.5                | 0        |  |  |
| 10              | 64QAM      | 1       | 49        | 15.18                 | 15.22                    | 15.07                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 0         | 15.13                 | 15.16                    | 15.10                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 12        | 15.24                 | 15.21                    | 15.20                  | 16.5                | 0        |  |  |
| 10              | 64QAM      | 25      | 25        | 15.10                 | 15.17                    | 15.11                  |                     |          |  |  |
| 10              | 64QAM      | 50      | 0         | 15.13                 | 15.36                    | 15.07                  |                     |          |  |  |
| Channel         |            |         |           | 131997                | 132322                   | 132647                 | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |  |  |
| 5               | QPSK       | 1       | 0         | 15.10                 | 15.11                    | 15.13                  | 16.5                | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 15.11                 | 15.22                    | 15.11                  |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 15.08                 | 15.10                    | 14.95                  |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 15.15                 | 15.18                    | 15.23                  | 16.5                | 0        |  |  |
| 5               | QPSK       | 12      | 7         | 15.21                 | 15.21                    | 15.21                  |                     |          |  |  |
| 5               | QPSK       | 12      | 13        | 15.14                 | 15.23                    | 15.11                  |                     |          |  |  |
| 5               | QPSK       | 25      | 0         | 15.17                 | 15.20                    | 15.15                  | 16.5                | 0        |  |  |
| 5               | 16QAM      | 1       | 0         | 15.11                 | 15.12                    | 15.21                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 12        | 15.12                 | 15.13                    | 15.12                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 24        | 15.32                 | 15.28                    | 15.27                  | 16.5                | 0        |  |  |
| 5               | 16QAM      | 12      | 0         | 15.28                 | 15.24                    | 15.26                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 7         | 15.27                 | 15.26                    | 15.25                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 13        | 15.19                 | 15.16                    | 15.13                  | 16.5                | 0        |  |  |
| 5               | 16QAM      | 25      | 0         | 15.16                 | 15.14                    | 15.17                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 0         | 15.36                 | 15.32                    | 15.39                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 12        | 15.34                 | 15.36                    | 15.32                  | 16.5                | 0        |  |  |
| 5               | 64QAM      | 1       | 24        | 15.24                 | 15.23                    | 15.21                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 0         | 15.24                 | 15.21                    | 15.23                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 7         | 15.25                 | 15.21                    | 15.16                  | 16.5                | 0        |  |  |
| 5               | 64QAM      | 12      | 13        | 15.14                 | 15.08                    | 15.11                  |                     |          |  |  |
| 5               | 64QAM      | 25      | 0         | 15.12                 | 15.15                    | 15.17                  |                     |          |  |  |
| Channel         |            |         |           | 131987                | 132322                   | 132697                 | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 1711.5                | 1745                     | 1775.5                 |                     |          |  |  |
| 3               | QPSK       | 1       | 0         | 15.15                 | 15.18                    | 15.05                  | 16.5                | 0        |  |  |
| 3               | QPSK       | 1       | 8         | 15.12                 | 15.25                    | 15.10                  |                     |          |  |  |
| 3               | QPSK       | 1       | 14        | 15.01                 | 15.11                    | 14.95                  |                     |          |  |  |
| 3               | QPSK       | 8       | 0         | 15.19                 | 15.17                    | 15.18                  | 16.5                | 0        |  |  |
| 3               | QPSK       | 8       | 4         | 15.17                 | 15.26                    | 15.15                  |                     |          |  |  |
| 3               | QPSK       | 8       | 7         | 15.13                 | 15.20                    | 15.04                  |                     |          |  |  |
| 3               | QPSK       | 15      | 0         | 15.18                 | 15.19                    | 15.11                  | 16.5                | 0        |  |  |
| 3               | 16QAM      | 1       | 0         | 15.23                 | 15.11                    | 15.37                  |                     |          |  |  |
| 3               | 16QAM      | 1       | 8         | 15.22                 | 15.21                    | 15.22                  |                     |          |  |  |
| 3               | 16QAM      | 1       | 14        | 15.36                 | 15.38                    | 15.23                  | 16.5                | 0        |  |  |
| 3               | 16QAM      | 8       | 0         | 15.27                 | 15.26                    | 15.26                  |                     |          |  |  |
| 3               | 16QAM      | 8       | 4         | 15.27                 | 15.33                    | 15.23                  |                     |          |  |  |
| 3               | 16QAM      | 8       | 7         | 15.18                 | 15.28                    | 15.24                  | 16.5                | 0        |  |  |
| 3               | 16QAM      | 15      | 0         | 15.21                 | 15.22                    | 15.21                  |                     |          |  |  |
| 3               | 64QAM      | 1       | 0         | 15.21                 | 15.36                    | 15.32                  |                     |          |  |  |
| 3               | 64QAM      | 1       | 8         | 15.11                 | 15.21                    | 15.38                  | 16.5                | 0        |  |  |
| 3               | 64QAM      | 1       | 14        | 15.34                 | 15.36                    | 15.38                  |                     |          |  |  |
| 3               | 64QAM      | 8       | 0         | 15.18                 | 15.23                    | 15.16                  |                     |          |  |  |
| 3               | 64QAM      | 8       | 4         | 15.14                 | 15.16                    | 15.18                  | 16.5                | 0        |  |  |
| 3               | 64QAM      | 8       | 7         | 15.12                 | 15.10                    | 15.09                  |                     |          |  |  |
| 3               | 64QAM      | 15      | 0         | 15.14                 | 15.16                    | 15.12                  |                     |          |  |  |
| Channel         |            |         |           | 131979                | 132322                   | 132695                 | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 1710.7                | 1745                     | 1775.3                 |                     |          |  |  |
| 1.4             | QPSK       | 1       | 0         | 15.06                 | 15.09                    | 14.96                  | 16.5                | 0        |  |  |
| 1.4             | QPSK       | 1       | 3         | 15.09                 | 15.11                    | 14.95                  |                     |          |  |  |
| 1.4             | QPSK       | 1       | 5         | 15.01                 | 15.03                    | 14.80                  |                     |          |  |  |
| 1.4             | QPSK       | 3       | 0         | 15.05                 | 15.14                    | 15.02                  | 16.5                | 0        |  |  |
| 1.4             | QPSK       | 3       | 1         | 15.11                 | 15.18                    | 15.06                  |                     |          |  |  |
| 1.4             | QPSK       | 3       | 3         | 15.01                 | 15.08                    | 14.95                  |                     |          |  |  |
| 1.4             | QPSK       | 6       | 0         | 15.09                 | 15.20                    | 15.04                  | 16.5                | 0        |  |  |
| 1.4             | 16QAM      | 1       | 0         | 15.21                 | 15.21                    | 15.30                  |                     |          |  |  |
| 1.4             | 16QAM      | 1       | 3         | 15.23                 | 15.21                    | 15.38                  | 16.5                | 0        |  |  |
| 1.4             | 16QAM      | 1       | 5         | 15.26                 | 15.22                    | 15.09                  |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 0         | 15.23                 | 15.26                    | 15.24                  |                     |          |  |  |
| 1.4             | 64QAM      | 3       | 0         | 15.23                 | 15.26                    | 15.24                  | 16.5                | 0        |  |  |
| 1.4             | 64QAM      | 3       | 3         | 15.16                 | 15.19                    | 14.93                  |                     |          |  |  |
| 1.4             | 64QAM      | 6       | 0         | 15.16                 | 15.15                    | 15.13                  |                     |          |  |  |

## UAT-Reduced Power - DSI 6 for Handheld

| Band 2 (1900MHz Band)<br>Part 24E |            |         |           |                    |                       |                     |                     |          |  | Band 4 (AWS Band)<br>Part 27L (only on channel required) |            |         |           |                    |                       |                     |                     |          |  |
|-----------------------------------|------------|---------|-----------|--------------------|-----------------------|---------------------|---------------------|----------|--|----------------------------------------------------------|------------|---------|-----------|--------------------|-----------------------|---------------------|---------------------|----------|--|
| 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) |  | 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                           |            |         |           |                    |                       |                     |                     |          |  | Channel                                                  |            |         |           |                    |                       |                     |                     |          |  |
| Frequency (MHz)                   |            |         |           |                    |                       |                     |                     |          |  | Frequency (MHz)                                          |            |         |           |                    |                       |                     |                     |          |  |
| 20                                | QPSK       | 1       | 0         | 19.23              | 19.36                 | 19.21               |                     |          |  | 20                                                       | QPSK       | 1       | 0         | 19.19              | 19.33                 | 19.21               |                     |          |  |
| 20                                | QPSK       | 1       | 49        | 19.12              | 19.11                 | 19.21               | 20.5                | 0        |  | 20                                                       | QPSK       | 1       | 49        | 18.92              | 18.95                 | 18.96               | 20                  | 0        |  |
| 20                                | QPSK       | 1       | 99        | 19.24              | 19.04                 | 19.07               |                     |          |  | 20                                                       | QPSK       | 1       | 99        | 19.12              | 19.18                 | 19.09               |                     |          |  |
| 20                                | QPSK       | 50      | 0         | 19.12              | 19.29                 | 19.11               |                     |          |  | 20                                                       | QPSK       | 50      | 0         | 18.95              | 19.10                 | 18.99               |                     |          |  |
| 20                                | QPSK       | 50      | 24        | 19.15              | 19.12                 | 19.28               |                     |          |  | 20                                                       | QPSK       | 50      | 24        | 19.09              | 19.02                 | 19.05               | 20                  | 0        |  |
| 20                                | QPSK       | 50      | 50        | 19.05              | 19.21                 | 19.27               |                     |          |  | 20                                                       | QPSK       | 50      | 50        | 18.96              | 19.00                 | 19.01               |                     |          |  |
| 20                                | QPSK       | 100     | 0         | 19.02              | 19.18                 | 19.17               |                     |          |  | 20                                                       | QPSK       | 100     | 0         | 18.95              | 19.03                 | 18.96               |                     |          |  |
| 20                                | 16QAM      | 1       | 0         | 19.21              | 19.08                 | 19.22               |                     |          |  | 20                                                       | 16QAM      | 1       | 0         | 19.13              | 19.12                 | 19.16               |                     |          |  |
| 20                                | 16QAM      | 1       | 49        | 19.24              | 19.06                 | 19.21               | 20.5                | 0        |  | 20                                                       | 16QAM      | 1       | 49        | 19.30              | 19.12                 | 19.11               | 20                  | 0        |  |
| 20                                | 16QAM      | 1       | 99        | 19.25              | 19.23                 | 19.21               |                     |          |  | 20                                                       | 16QAM      | 1       | 99        | 18.97              | 19.03                 | 18.91               |                     |          |  |
| 20                                | 16QAM      | 50      | 0         | 18.98              | 19.20                 | 19.10               |                     |          |  | 20                                                       | 16QAM      | 50      | 0         | 18.96              | 18.99                 | 19.01               |                     |          |  |
| 20                                | 16QAM      | 50      | 24        | 19.11              | 19.23                 | 19.29               |                     |          |  | 20                                                       | 16QAM      | 50      | 24        | 19.09              | 19.04                 | 19.07               | 20                  | 0        |  |
| 20                                | 16QAM      | 50      | 50        | 19.05              | 19.17                 | 19.27               |                     |          |  | 20                                                       | 16QAM      | 50      | 50        | 18.96              | 19.06                 | 19.03               |                     |          |  |
| 20                                | 16QAM      | 100     | 0         | 19.05              | 19.05                 | 19.15               |                     |          |  | 20                                                       | 16QAM      | 100     | 0         | 19.02              | 18.96                 | 18.97               |                     |          |  |
| 20                                | 64QAM      | 1       | 0         | 19.05              | 19.33                 | 19.12               |                     |          |  | 20                                                       | 64QAM      | 1       | 0         | 19.02              | 18.83                 | 19.07               |                     |          |  |
| 20                                | 64QAM      | 1       | 49        | 19.12              | 19.20                 | 19.21               | 20.5                | 0        |  | 20                                                       | 64QAM      | 1       | 49        | 19.08              | 19.23                 | 19.25               | 20                  | 0        |  |
| 20                                | 64QAM      | 1       | 99        | 19.03              | 19.13                 | 19.19               |                     |          |  | 20                                                       | 64QAM      | 1       | 99        | 18.84              | 18.85                 | 18.80               |                     |          |  |
| 20                                | 64QAM      | 50      | 0         | 18.95              | 19.03                 | 19.10               |                     |          |  | 20                                                       | 64QAM      | 50      | 0         | 18.98              | 18.97                 | 18.98               |                     |          |  |
| 20                                | 64QAM      | 50      | 24        | 19.04              | 19.17                 | 19.31               |                     |          |  | 20                                                       | 64QAM      | 50      | 24        | 19.09              | 19.06                 | 19.07               | 20                  | 0        |  |
| 20                                | 64QAM      | 50      | 50        | 19.02              | 19.16                 | 19.32               |                     |          |  | 20                                                       | 64QAM      | 50      | 50        | 18.98              | 19.05                 | 19.02               |                     |          |  |
| 20                                | 64QAM      | 100     | 0         | 19.02              | 19.05                 | 19.21               |                     |          |  | 20                                                       | 64QAM      | 100     | 0         | 19.00              | 18.97                 | 19.00               |                     |          |  |
| Channel                           |            |         |           |                    |                       |                     |                     |          |  | Channel                                                  |            |         |           |                    |                       |                     |                     |          |  |
| Frequency (MHz)                   |            |         |           |                    |                       |                     |                     |          |  | Frequency (MHz)                                          |            |         |           |                    |                       |                     |                     |          |  |
| 15                                | QPSK       | 1       | 0         | 18.87              | 19.18                 | 19.12               |                     |          |  | 15                                                       | QPSK       | 1       | 0         | 18.80              | 18.82                 | 18.87               |                     |          |  |
| 15                                | QPSK       | 1       | 37        | 18.91              | 19.12                 | 19.24               | 20.5                | 0        |  | 15                                                       | QPSK       | 1       | 37        | 18.93              | 18.95                 | 18.97               | 20                  | 0        |  |
| 15                                | QPSK       | 1       | 74        | 18.83              | 19.13                 | 19.12               |                     |          |  | 15                                                       | QPSK       | 1       | 74        | 18.75              | 18.85                 | 18.80               |                     |          |  |
| 15                                | QPSK       | 36      | 0         | 19.02              | 19.13                 | 19.14               |                     |          |  | 15                                                       | QPSK       | 36      | 0         | 18.97              | 18.98                 | 19.01               |                     |          |  |
| 15                                | QPSK       | 36      | 20        | 19.11              | 19.19                 | 19.15               |                     |          |  | 15                                                       | QPSK       | 36      | 20        | 19.07              | 19.02                 | 19.12               | 20                  | 0        |  |
| 15                                | QPSK       | 36      | 39        | 19.05              | 19.22                 | 19.05               |                     |          |  | 15                                                       | QPSK       | 36      | 39        | 18.97              | 19.05                 | 19.05               |                     |          |  |
| 15                                | QPSK       | 75      | 0         | 19.06              | 19.13                 | 19.18               |                     |          |  | 15                                                       | QPSK       | 75      | 0         | 19.03              | 18.95                 | 18.98               |                     |          |  |
| 15                                | 16QAM      | 1       | 0         | 19.17              | 19.21                 | 19.12               |                     |          |  | 15                                                       | 16QAM      | 1       | 0         | 19.13              | 19.15                 | 19.21               |                     |          |  |
| 15                                | 16QAM      | 1       | 37        | 19.21              | 19.23                 | 19.22               | 20.5                | 0        |  | 15                                                       | 16QAM      | 1       | 37        | 19.20              | 19.12                 | 19.20               | 20                  | 0        |  |
| 15                                | 16QAM      | 1       | 74        | 19.16              | 19.21                 | 19.18               |                     |          |  | 15                                                       | 16QAM      | 1       | 74        | 19.04              | 19.19                 | 19.15               |                     |          |  |
| 15                                | 16QAM      | 36      | 0         | 18.99              | 19.11                 | 19.13               |                     |          |  | 15                                                       | 16QAM      | 36      | 0         | 18.94              | 18.98                 | 19.01               |                     |          |  |
| 15                                | 16QAM      | 36      | 20        | 19.09              | 19.14                 | 19.28               |                     |          |  | 15                                                       | 16QAM      | 36      | 20        | 19.05              | 19.04                 | 19.11               | 20                  | 0        |  |
| 15                                | 16QAM      | 36      | 39        | 19.06              | 19.20                 | 19.26               |                     |          |  | 15                                                       | 16QAM      | 36      | 39        | 19.00              | 19.07                 | 19.04               |                     |          |  |
| 15                                | 16QAM      | 75      | 0         | 19.09              | 19.12                 | 19.19               |                     |          |  | 15                                                       | 16QAM      | 75      | 0         | 19.03              | 18.98                 | 19.00               |                     |          |  |
| 15                                | 64QAM      | 1       | 0         | 18.91              | 19.25                 | 19.22               |                     |          |  | 15                                                       | 64QAM      | 1       | 0         | 19.08              | 18.86                 | 19.17               |                     |          |  |
| 15                                | 64QAM      | 1       | 37        | 19.06              | 19.20                 | 19.34               | 20.5                | 0        |  | 15                                                       | 64QAM      | 1       | 37        | 19.04              | 19.19                 | 19.17               | 20                  | 0        |  |
| 15                                | 64QAM      | 1       | 74        | 19.06              | 19.17                 | 19.21               |                     |          |  | 15                                                       | 64QAM      | 1       | 74        | 18.89              | 19.02                 | 19.02               |                     |          |  |
| 15                                | 64QAM      | 36      | 0         | 18.96              | 19.12                 | 19.16               |                     |          |  | 15                                                       | 64QAM      | 36      | 0         | 18.98              | 18.99                 | 19.04               |                     |          |  |
| 15                                | 64QAM      | 36      | 20        | 19.07              | 19.05                 | 19.21               |                     |          |  | 15                                                       | 64QAM      | 36      | 20        | 19.06              | 19.04                 | 19.13               |                     |          |  |
| 15                                | 64QAM      | 36      | 39        | 19.07              | 19.13                 | 19.12               | 20.5                | 0        |  | 15                                                       | 64QAM      | 36      | 39        | 18.98              | 19.04                 | 19.03               | 20                  | 0        |  |
| 15                                | 64QAM      | 75      | 0         | 19.10              | 19.08                 | 19.16               |                     |          |  | 15                                                       | 64QAM      | 75      | 0         | 19.02              | 18.98                 | 18.98               |                     |          |  |
| Channel                           |            |         |           |                    |                       |                     |                     |          |  | Channel                                                  |            |         |           |                    |                       |                     |                     |          |  |
| Frequency (MHz)                   |            |         |           |                    |                       |                     |                     |          |  | Frequency (MHz)                                          |            |         |           |                    |                       |                     |                     |          |  |
| 10                                | QPSK       | 1       | 0         | 18.01              | 18.75                 | 19.20               |                     |          |  | 10                                                       | QPSK       | 1       | 0         | 19.23              | 19.20                 | 19.09               |                     |          |  |
| 10                                | QPSK       | 1       | 25        | 18.97              | 19.21                 | 19.21               | 20.5                | 0        |  | 10                                                       | QPSK       | 1       | 25        | 19.12              | 19.07                 | 19.11               | 20                  | 0        |  |
| 10                                | QPSK       | 1       | 49        | 19.14              | 19.06                 | 19.20               |                     |          |  | 10                                                       | QPSK       | 1       | 49        | 19.21              | 19.12                 | 19.23               |                     |          |  |
| 10                                | QPSK       | 25      | 0         | 19.02              | 19.05                 | 19.18               |                     |          |  | 10                                                       | QPSK       | 25      | 0         | 19.01              | 18.92                 | 18.97               |                     |          |  |
| 10                                | QPSK       | 25      | 12        | 19.11              | 19.19                 | 19.28               |                     |          |  | 10                                                       | QPSK       | 25      | 12        | 19.09              | 19.04                 | 19.06               | 20                  | 0        |  |
| 10                                | QPSK       | 25      | 25        | 19.01              | 19.18                 | 19.26               |                     |          |  | 10                                                       | QPSK       | 25      | 25        | 18.96              | 19.02                 | 19.01               |                     |          |  |
| 10                                | QPSK       | 50      | 0         | 19.03              | 19.09                 | 19.17               |                     |          |  | 10                                                       | QPSK       | 50      | 0         | 18.98              | 18.96                 | 18.97               |                     |          |  |
| 10                                | 16QAM      | 1       | 0         | 19.09              | 19.24                 | 19.16               |                     |          |  | 10                                                       | 16QAM      | 1       | 0         | 19.06              | 19.07                 | 19.16               |                     |          |  |
| 10                                | 16QAM      | 1       | 25        | 19.21              | 19.34                 | 19.06               | 20.5                | 0        |  | 10                                                       | 16QAM      | 1       | 25        | 19.21              | 19.12                 | 19.12               | 20                  | 0        |  |
| 10                                | 16QAM      | 1       | 49        | 19.07              | 19.30                 | 19.21               |                     |          |  | 10                                                       | 16QAM      | 1       | 49        | 19.03              | 19.06                 | 19.04               |                     |          |  |
| 10                                | 16QAM      | 25      | 0         | 19.04              | 19.08                 | 19.16               |                     |          |  | 10                                                       | 16QAM      | 25      | 0         | 19.02              | 18.93                 | 19.00               |                     |          |  |
| 10                                | 16QAM      | 25      | 12        | 19.12              | 19.19                 | 19.27               |                     |          |  | 10                                                       | 16QAM      | 25      | 12        | 19.09              | 19.04                 | 19.07               | 20                  | 0        |  |
| 10                                | 16QAM      | 25      | 25        | 18.99              | 19.18                 | 19.23               |                     |          |  | 10                                                       | 16QAM      | 25      | 25        | 18.96              | 18.99                 | 19.02               |                     |          |  |
| 10                                | 16QAM      | 50      | 0         | 19.03              | 19.10                 | 19.14               |                     |          |  | 10                                                       | 16QAM      | 50      | 0         | 19.00              | 18.96                 | 18.98               |                     |          |  |
| 10                                | 64QAM      | 1       | 0         | 19.04              | 19.09                 | 19.16               |                     |          |  | 10                                                       | 64QAM      | 1       | 0         | 19.08              | 19.05                 | 19.07               |                     |          |  |
| 10                                | 64QAM      | 1       | 25        | 19.30              | 19.14                 | 19.20               | 20.5                | 0        |  | 10                                                       | 64QAM      | 1       | 25        | 19.24              | 19.28                 | 19.32               | 20                  | 0        |  |
| 10                                | 64QAM      | 1       | 49        | 19.06              | 18.96                 | 19.26               |                     |          |  | 10                                                       | 64QAM      | 1       | 49        | 18.92              | 19.11                 | 18.99               |                     |          |  |
| 10                                | 64QAM      | 25      | 0         | 19.15              | 19.11                 | 19.05               |                     |          |  | 10                                                       | 64QAM      | 25      | 0         | 19.02              | 18.98                 | 18.98               |                     |          |  |
| 10                                | 64QAM      | 25      | 12        | 19.06              | 19.21                 | 19.13               |                     |          |  | 10                                                       | 64QAM      | 25      | 12        | 19.08              | 19.07                 | 19.06               |                     |          |  |
| 10                                | 64QAM      | 25      | 25        | 19.05              | 19.12                 | 19.16               | 20.5                | 0        |  | 10                                                       | 64QAM      | 25      | 25        | 18.97              | 19.01                 | 18.99               | 20                  | 0        |  |
| 10                                | 64QAM      | 50      | 0         | 18.97              | 19.21                 | 19.02               |                     |          |  | 10                                                       | 64QAM      | 50      | 0         | 18.99              | 18.95                 | 18.94               |                     |          |  |
| Channel                           |            |         |           |                    |                       |                     |                     |          |  | Channel                                                  |            |         |           |                    |                       |                     |                     |          |  |
| Frequency (MHz)                   |            |         |           |                    |                       |                     |                     |          |  | Frequency (MHz)                                          |            |         |           |                    |                       |                     |                     |          |  |
| 5                                 | QPSK       | 1       | 0         | 18.01              | 19.06                 | 19.32               |                     |          |  | 5                                                        | QPSK       | 1       | 0         | 19.01              | 18.93                 | 19.30               |                     |          |  |
| 5                                 | QPSK       | 1       | 12        | 19.09              | 19.14                 | 19.25               | 20.5                | 0        |  | 5                                                        | QPSK       | 1       | 12        | 19.03              | 19.05                 | 19.04               | 20                  | 0        |  |
| 5                                 | QPSK       | 1       | 24        | 18.90              | 19.05                 | 19.03               |                     |          |  | 5                                                        | QPSK       | 1       | 24        | 18.86              | 18.93                 | 18.91               |                     |          |  |
| 5                                 | QPSK       | 12      | 0         | 19.17              | 19.19                 | 19.34               |                     |          |  | 5                                                        | QPSK       | 12      | 0         | 19.12              | 19.06                 | 19.16               |                     |          |  |
| 5                                 | QPSK       | 12      | 7         | 19.15              | 19.20                 | 19.12               |                     |          |  | 5                                                        | QPSK       | 12      | 7         | 19.11              | 19.10                 | 19.15               | 20                  | 0        |  |
| 5                                 | QPSK       | 12      | 13        | 19.08              | 19.23                 | 19.27               |                     |          |  | 5                                                        | QPSK       | 12      | 13        | 19.08              | 19.09                 | 19.06               |                     |          |  |
| 5                                 | QPSK       | 25      | 0         | 19.12              | 19.19                 | 19.30               |                     |          |  | 5                                                        | QPSK       | 25      | 0         | 19.11              | 19.06                 | 19.06               |                     |          |  |
| 5                                 | 16QAM      | 1       | 0         | 19.12              | 19.35                 | 19.13               |                     |          |  | 5                                                        | 16QAM      | 1       | 0         | 19.12              | 19.25                 | 19.21               |                     |          |  |
| 5                                 | 16QAM      | 1       | 12        | 19.21              | 19.25                 | 19.34               |                     |          |  | 5                                                        | 16QAM      | 1       | 12        | 19.12              | 19.32                 | 19.12               | 20                  | 0        |  |
| 5                                 | 16QAM      | 1       | 24        | 19.30              | 19.12                 | 19.12               |                     |          |  | 5                                                        | 16QAM      | 1       | 24        | 19.24              | 19.23                 | 19.16               |                     |          |  |
| 5                                 | 16QAM      | 12      | 0         | 19.18              | 19.26                 | 19.21               |                     |          |  | 5                                                        | 16QAM      | 12      | 0         | 19.16              | 19.11                 | 19.17               |                     |          |  |
| 5                                 | 16QAM      | 12      | 7         | 19.22              | 19.18                 | 19.12               |                     |          |  | 5                                                        | 16QAM      | 12      | 7         | 19.15              | 19.10                 | 19.21               |                     |          |  |
| 5                                 | 16QAM      | 12      | 13        | 19.11              | 19.23                 | 19.12               | 20.5                | 0        |  | 5                                                        | 16QAM      | 12      | 13        | 19.13              | 19.13                 | 19.11               | 20                  | 0        |  |
| 5                                 | 16QAM      | 25      | 0         | 19.12              | 19.18                 | 19.28               |                     |          |  | 5                                                        | 16QAM      | 25      | 0         | 19.15              | 19.07                 | 19.11</             |                     |          |  |

| Band 66         |            |         |           |                          |                             |                           |                        |             |             |        |        |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|-------------|--------|--------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low Ch. / Freq. | Power<br>Middle Ch. / Freq. | Power<br>High Ch. / Freq. | Tune-up<br>limit (dBm) | MPR<br>(dB) |             |        |        |
| Channel         |            |         |           |                          |                             |                           |                        |             |             |        |        |
| Frequency (MHz) |            |         |           |                          |                             |                           | 132072                 | 132322      | 132572      |        |        |
| 20              | QPSK       | 1       | 0         | 19.09                    | 19.31                       | 19.10                     | 20                     | 0           |             |        |        |
| 20              | QPSK       | 1       | 49        | 18.92                    | 19.03                       | 18.96                     |                        |             |             |        |        |
| 20              | QPSK       | 1       | 99        | 19.12                    | 19.21                       | 18.92                     |                        |             |             |        |        |
| 20              | QPSK       | 50      | 0         | 19.05                    | 19.16                       | 19.05                     |                        |             |             |        |        |
| 20              | QPSK       | 50      | 24        | 19.16                    | 19.03                       | 19.06                     |                        |             |             |        |        |
| 20              | QPSK       | 50      | 50        | 19.00                    | 18.97                       | 18.99                     | 20                     | 0           |             |        |        |
| 20              | QPSK       | 100     | 0         | 19.01                    | 19.04                       | 19.02                     |                        |             |             |        |        |
| 20              | 16QAM      | 1       | 0         | 19.21                    | 19.26                       | 19.21                     |                        |             |             |        |        |
| 20              | 16QAM      | 1       | 49        | 19.12                    | 19.21                       | 19.21                     |                        |             |             |        |        |
| 20              | 16QAM      | 1       | 99        | 19.10                    | 19.01                       | 19.23                     |                        |             |             |        |        |
| 20              | 16QAM      | 50      | 0         | 19.07                    | 19.12                       | 19.02                     | 20                     | 0           |             |        |        |
| 20              | 16QAM      | 50      | 24        | 19.14                    | 19.14                       | 19.06                     |                        |             |             |        |        |
| 20              | 16QAM      | 50      | 50        | 19.06                    | 19.08                       | 19.09                     |                        |             |             |        |        |
| 20              | 16QAM      | 100     | 0         | 19.04                    | 19.07                       | 19.01                     |                        |             |             |        |        |
| 20              | 64QAM      | 1       | 0         | 19.06                    | 19.12                       | 19.13                     |                        |             |             |        |        |
| 20              | 64QAM      | 1       | 49        | 19.21                    | 19.22                       | 19.26                     | 20                     | 0           |             |        |        |
| 20              | 64QAM      | 1       | 99        | 19.10                    | 19.08                       | 19.93                     |                        |             |             |        |        |
| 20              | 64QAM      | 50      | 0         | 19.05                    | 18.99                       | 18.84                     |                        |             |             |        |        |
| 20              | 64QAM      | 50      | 24        | 19.12                    | 19.05                       | 19.08                     |                        |             |             |        |        |
| 20              | 64QAM      | 50      | 50        | 19.00                    | 19.06                       | 19.02                     |                        |             |             |        |        |
| 20              | 64QAM      | 100     | 0         | 19.07                    | 19.04                       | 19.00                     | 1745                   | 1772.5      | MPR<br>(dB) |        |        |
| Channel         |            |         |           |                          |                             |                           |                        |             |             | 132047 | 132322 |
| Frequency (MHz) |            |         |           |                          |                             |                           | 1717.5                 |             |             | 1745   | 1772.5 |
| 15              | QPSK       | 1       | 0         | 18.88                    | 18.84                       | 18.75                     | 20                     | 0           |             |        |        |
| 15              | QPSK       | 1       | 37        | 18.94                    | 19.05                       | 18.96                     |                        |             |             |        |        |
| 15              | QPSK       | 1       | 74        | 18.76                    | 18.89                       | 18.86                     |                        |             |             |        |        |
| 15              | QPSK       | 36      | 0         | 19.05                    | 19.14                       | 18.90                     |                        |             |             |        |        |
| 15              | QPSK       | 36      | 20        | 19.10                    | 19.12                       | 18.93                     |                        |             |             |        |        |
| 15              | QPSK       | 36      | 39        | 19.01                    | 19.08                       | 19.19                     | 20                     | 0           |             |        |        |
| 15              | QPSK       | 75      | 0         | 19.05                    | 19.07                       | 19.00                     |                        |             |             |        |        |
| 15              | 16QAM      | 1       | 0         | 19.28                    | 19.21                       | 19.21                     |                        |             |             |        |        |
| 15              | 16QAM      | 1       | 37        | 19.28                    | 19.12                       | 19.20                     |                        |             |             |        |        |
| 15              | 16QAM      | 1       | 74        | 19.08                    | 19.14                       | 19.05                     |                        |             |             |        |        |
| 15              | 16QAM      | 36      | 0         | 19.06                    | 19.14                       | 19.09                     | 20                     | 0           |             |        |        |
| 15              | 16QAM      | 36      | 20        | 19.10                    | 19.11                       | 19.05                     |                        |             |             |        |        |
| 15              | 16QAM      | 36      | 39        | 19.03                    | 19.11                       | 18.97                     |                        |             |             |        |        |
| 15              | 16QAM      | 75      | 0         | 19.09                    | 19.11                       | 19.03                     |                        |             |             |        |        |
| 15              | 64QAM      | 1       | 0         | 19.22                    | 19.25                       | 19.30                     |                        |             |             |        |        |
| 15              | 64QAM      | 1       | 37        | 19.13                    | 19.22                       | 19.18                     | 20                     | 0           |             |        |        |
| 15              | 64QAM      | 1       | 74        | 19.12                    | 19.10                       | 19.14                     |                        |             |             |        |        |
| 15              | 64QAM      | 36      | 0         | 19.08                    | 19.14                       | 19.01                     |                        |             |             |        |        |
| 15              | 64QAM      | 36      | 20        | 19.12                    | 19.12                       | 19.01                     |                        |             |             |        |        |
| 15              | 64QAM      | 36      | 39        | 19.03                    | 19.00                       | 18.96                     |                        |             |             |        |        |
| 15              | 64QAM      | 75      | 0         | 19.08                    | 19.02                       | 19.01                     | 1745                   | 1772.5      | MPR<br>(dB) |        |        |
| Channel         |            |         |           |                          |                             |                           |                        |             |             | 132022 | 132322 |
| Frequency (MHz) |            |         |           |                          |                             |                           | 1715                   |             |             | 1745   | 1775   |
| 10              | QPSK       | 1       | 0         | 18.76                    | 18.80                       | 18.73                     | 20                     | 0           |             |        |        |
| 10              | QPSK       | 1       | 25        | 19.06                    | 19.04                       | 18.93                     |                        |             |             |        |        |
| 10              | QPSK       | 1       | 49        | 18.74                    | 18.86                       | 18.92                     |                        |             |             |        |        |
| 10              | QPSK       | 25      | 0         | 19.01                    | 19.02                       | 18.97                     |                        |             |             |        |        |
| 10              | QPSK       | 25      | 12        | 19.07                    | 19.07                       | 19.01                     |                        |             |             |        |        |
| 10              | QPSK       | 25      | 25        | 19.03                    | 19.10                       | 18.99                     | 20                     | 0           |             |        |        |
| 10              | QPSK       | 50      | 0         | 18.77                    | 19.04                       | 18.98                     |                        |             |             |        |        |
| 10              | 16QAM      | 1       | 0         | 18.95                    | 19.19                       | 19.14                     |                        |             |             |        |        |
| 10              | 16QAM      | 1       | 25        | 19.24                    | 19.23                       | 19.21                     |                        |             |             |        |        |
| 10              | 16QAM      | 1       | 49        | 18.95                    | 19.14                       | 19.06                     |                        |             |             |        |        |
| 10              | 16QAM      | 25      | 0         | 18.95                    | 19.06                       | 18.99                     | 20                     | 0           |             |        |        |
| 10              | 16QAM      | 25      | 12        | 19.02                    | 19.10                       | 19.05                     |                        |             |             |        |        |
| 10              | 16QAM      | 25      | 25        | 18.88                    | 19.03                       | 19.00                     |                        |             |             |        |        |
| 10              | 16QAM      | 50      | 0         | 19.15                    | 19.01                       | 18.96                     |                        |             |             |        |        |
| 10              | 64QAM      | 1       | 0         | 19.15                    | 19.15                       | 19.06                     |                        |             |             |        |        |
| 10              | 64QAM      | 1       | 25        | 19.12                    | 19.16                       | 19.28                     | 20                     | 0           |             |        |        |
| 10              | 64QAM      | 1       | 49        | 19.08                    | 19.05                       | 18.92                     |                        |             |             |        |        |
| 10              | 64QAM      | 25      | 0         | 19.04                    | 19.09                       | 19.02                     |                        |             |             |        |        |
| 10              | 64QAM      | 25      | 12        | 19.11                    | 19.06                       | 19.06                     |                        |             |             |        |        |
| 10              | 64QAM      | 25      | 25        | 18.97                    | 19.05                       | 18.99                     |                        |             |             |        |        |
| 10              | 64QAM      | 50      | 0         | 18.98                    | 19.00                       | 18.95                     | 1745                   | 1772.5      | MPR<br>(dB) |        |        |
| Channel         |            |         |           |                          |                             |                           |                        |             |             | 131997 | 132322 |
| Frequency (MHz) |            |         |           |                          |                             |                           | 1712.5                 |             |             | 1745   | 1777.5 |
| 5               | QPSK       | 1       | 0         | 18.90                    | 19.00                       | 18.92                     | 20                     | 0           |             |        |        |
| 5               | QPSK       | 1       | 12        | 19.10                    | 19.05                       | 19.03                     |                        |             |             |        |        |
| 5               | QPSK       | 1       | 24        | 18.88                    | 19.00                       | 18.79                     |                        |             |             |        |        |
| 5               | QPSK       | 12      | 0         | 19.11                    | 19.08                       | 19.07                     |                        |             |             |        |        |
| 5               | QPSK       | 12      | 7         | 19.11                    | 19.04                       | 19.05                     |                        |             |             |        |        |
| 5               | QPSK       | 12      | 13        | 19.04                    | 19.09                       | 18.96                     | 20                     | 0           |             |        |        |
| 5               | QPSK       | 25      | 0         | 19.06                    | 19.04                       | 19.03                     |                        |             |             |        |        |
| 5               | 16QAM      | 1       | 0         | 19.23                    | 19.12                       | 19.23                     |                        |             |             |        |        |
| 5               | 16QAM      | 1       | 12        | 19.12                    | 19.21                       | 19.12                     |                        |             |             |        |        |
| 5               | 16QAM      | 1       | 24        | 19.21                    | 19.26                       | 19.16                     |                        |             |             |        |        |
| 5               | 16QAM      | 12      | 0         | 19.14                    | 19.17                       | 19.11                     | 20                     | 0           |             |        |        |
| 5               | 16QAM      | 12      | 7         | 19.14                    | 19.13                       | 19.12                     |                        |             |             |        |        |
| 5               | 16QAM      | 12      | 13        | 19.09                    | 19.15                       | 19.06                     |                        |             |             |        |        |
| 5               | 16QAM      | 25      | 0         | 19.08                    | 19.10                       | 19.05                     |                        |             |             |        |        |
| 5               | 64QAM      | 1       | 0         | 19.26                    | 19.29                       | 19.30                     |                        |             |             |        |        |
| 5               | 64QAM      | 1       | 12        | 19.24                    | 19.21                       | 19.29                     | 20                     | 0           |             |        |        |
| 5               | 64QAM      | 1       | 24        | 19.18                    | 19.21                       | 19.12                     |                        |             |             |        |        |
| 5               | 64QAM      | 12      | 0         | 19.11                    | 19.10                       | 19.08                     |                        |             |             |        |        |
| 5               | 64QAM      | 12      | 7         | 19.10                    | 19.09                       | 19.04                     |                        |             |             |        |        |
| 5               | 64QAM      | 12      | 13        | 19.04                    | 19.08                       | 18.98                     |                        |             |             |        |        |
| 5               | 64QAM      | 25      | 0         | 19.08                    | 19.08                       | 19.04                     | 1745                   | 1772.5      | MPR<br>(dB) |        |        |
| Channel         |            |         |           |                          |                             |                           |                        |             |             | 131987 | 132322 |
| Frequency (MHz) |            |         |           |                          |                             |                           | 1711.5                 |             |             | 1745   | 1779.5 |
| 3               | QPSK       | 1       | 0         | 19.03                    | 19.07                       | 19.02                     | 20                     | 0           |             |        |        |
| 3               | QPSK       | 1       | 8         | 19.03                    | 19.13                       | 19.06                     |                        |             |             |        |        |
| 3               | QPSK       | 1       | 14        | 18.98                    | 18.99                       | 18.81                     |                        |             |             |        |        |
| 3               | QPSK       | 8       | 0         | 19.08                    | 19.10                       | 19.06                     |                        |             |             |        |        |
| 3               | QPSK       | 8       | 4         | 18.91                    | 19.17                       | 19.04                     |                        |             |             |        |        |
| 3               | QPSK       | 8       | 7         | 19.01                    | 18.91                       | 18.93                     | 20                     | 0           |             |        |        |
| 3               | QPSK       | 15      | 0         | 19.06                    | 18.91                       | 18.99                     |                        |             |             |        |        |
| 3               | 16QAM      | 1       | 0         | 19.30                    | 19.19                       | 19.28                     |                        |             |             |        |        |
| 3               | 16QAM      | 1       | 8         | 19.21                    | 19.22                       | 19.23                     |                        |             |             |        |        |
| 3               | 16QAM      | 1       | 14        | 19.16                    | 19.28                       | 19.11                     |                        |             |             |        |        |
| 3               | 16QAM      | 8       | 0         | 19.18                    | 19.19                       | 19.16                     | 20                     | 0           |             |        |        |
| 3               | 16QAM      | 8       | 4         | 19.14                    | 19.23                       | 19.15                     |                        |             |             |        |        |
| 3               | 16QAM      | 8       | 7         | 19.10                    | 19.16                       | 19.09                     |                        |             |             |        |        |
| 3               | 16QAM      | 15      | 0         | 19.09                    | 19.09                       | 19.06                     |                        |             |             |        |        |
| 3               | 64QAM      | 1       | 0         | 19.29                    | 19.28                       | 19.23                     |                        |             |             |        |        |
| 3               | 64QAM      | 1       | 8         | 19.22                    | 19.18                       | 19.23                     | 20                     | 0           |             |        |        |
| 3               | 64QAM      | 1       | 14        | 19.14                    | 19.16                       | 19.22                     |                        |             |             |        |        |
| 3               | 64QAM      | 8       | 0         | 19.11                    | 19.14                       | 19.08                     |                        |             |             |        |        |
| 3               | 64QAM      | 8       | 4         | 19.11                    | 19.17                       | 19.05                     |                        |             |             |        |        |
| 3               | 64QAM      | 8       | 7         | 19.06                    | 19.12                       | 19.03                     |                        |             |             |        |        |
| 3               | 64QAM      | 15      | 0         | 19.08                    | 19.07                       | 19.01                     | 1745                   | 1772.5      | MPR<br>(dB) |        |        |
| Channel         |            |         |           |                          |                             |                           |                        |             |             | 131979 | 132322 |
| Frequency (MHz) |            |         |           |                          |                             |                           | 1710.7                 |             |             | 1745   | 1779.3 |
| 1.4             | QPSK       | 1       | 0         | 18.95                    | 18.94                       | 18.95                     | 20                     | 0           |             |        |        |
| 1.4             | QPSK       | 1       | 3         | 18.76                    | 18.97                       | 18.88                     |                        |             |             |        |        |
| 1.4             | QPSK       | 1       | 5         | 18.75                    | 18.90                       | 18.78                     |                        |             |             |        |        |
| 1.4             | QPSK       | 3       | 0         | 18.84                    | 19.02                       | 18.92                     |                        |             |             |        |        |
| 1.4             | QPSK       | 3       | 1         | 18.86                    | 19.06                       | 18.94                     |                        |             |             |        |        |
| 1.4             | QPSK       | 3       | 3         | 18.82                    | 19.00                       | 18.85                     | 20                     | 0           |             |        |        |
| 1.4             | QPSK       | 6       | 0         | 18.90                    | 19.01                       | 18.93                     |                        |             |             |        |        |
| 1.4             | 16QAM      | 1       | 0         | 19.22                    | 19.29                       | 19.19                     |                        |             |             |        |        |
| 1.4             | 16QAM      | 1       | 3         | 19.20                    | 19.12                       | 19.21                     |                        |             |             |        |        |
| 1.4             | 16QAM      | 1       | 5         | 19.15                    | 19.22                       | 19.14                     |                        |             |             |        |        |
| 1.4             | 16QAM      | 3       | 0         | 19.05                    | 19.11                       | 19.03                     | 20                     | 0           |             |        |        |
| 1.4             | 16QAM      | 3       | 1         | 19.05                    | 19.16                       | 19.04                     |                        |             |             |        |        |
| 1.4             | 16QAM      | 3       | 3         | 18.98                    | 19.05                       | 18.91                     | 20                     | 0           |             |        |        |
| 1.4             | 16QAM      | 6       | 0         | 19.05                    | 19.14                       | 19.00                     |                        |             |             |        |        |
| 1.4             | 64QAM      | 1       | 0         | 19.28                    | 19.27                       | 19.21                     |                        |             |             |        |        |
| 1.4             | 64QAM      | 1       | 3         | 19.20                    | 19.22                       | 19.20                     |                        |             |             |        |        |
| 1.4             | 64QAM      | 1       | 5         | 19.16                    | 19.14                       | 19.11                     |                        |             |             |        |        |
| 1.4             | 64QAM      | 3       | 0         | 19.06                    | 19.08                       | 19.04                     | 20                     | 0           |             |        |        |
| 1.4             | 64QAM      | 3       | 1         | 19.06                    | 19.07                       | 19.06                     |                        |             |             |        |        |
| 1.4             | 64QAM      | 3       | 3         | 19.03                    | 18.95                       | 18.96                     |                        |             |             |        |        |
| 1.4             | 64QAM      | 6       | 0         | 18.95                    | 18.94                       | 18.89                     |                        |             |             |        |        |
| 1.4             | 64QAM      | 6       | 0         | 18.95                    | 18.94                       | 18.89                     |                        |             |             |        |        |

**LAT-Reduced Power - DSI 3 for BodyWorm / Hotspot**

| GSM850          | Burst Average Power (dBm) |       |       | Tune-up Limit | Frame Average Power (dBm) |       |       | Tune-up Limit |
|-----------------|---------------------------|-------|-------|---------------|---------------------------|-------|-------|---------------|
|                 | 128                       | 189   | 251   |               | 128                       | 189   | 251   |               |
| TX Channel      | 824.2                     | 836.4 | 848.8 | (dBm)         | 824.2                     | 836.4 | 848.8 | (dBm)         |
| Frequency (MHz) | 824.5                     | 82.51 | 32.20 | 33.30         | 23.45                     | 23.51 | 23.20 | 24.30         |
| GSM 1 Tx slot   | 32.44                     | 32.50 | 32.19 | 33.30         | 23.44                     | 23.50 | 23.19 | 24.30         |
| GPRS 1 Tx slot  | 29.14                     | 28.67 | 28.90 | 30.00         | 23.14                     | 22.67 | 22.99 | 24.00         |
| GPRS 2 Tx slots | 27.33                     | 27.63 | 27.13 | 28.56         | 23.07                     | 23.37 | 22.87 | 24.30         |
| GPRS 3 Tx slots | 26.26                     | 26.26 | 25.95 | 27.30         | 23.26                     | 23.26 | 22.95 | 24.30         |
| GPRS 4 Tx slots | 25.48                     | 25.66 | 25.20 | 26.00         | 16.48                     | 16.66 | 16.20 | 17.00         |
| EDGE 1 Tx slot  | 24.00                     | 24.25 | 23.81 | 25.00         | 18.00                     | 18.25 | 17.81 | 19.00         |
| EDGE 2 Tx slots | 22.85                     | 23.05 | 22.60 | 24.00         | 18.59                     | 18.79 | 18.34 | 19.74         |
| EDGE 3 Tx slots | 20.89                     | 21.05 | 20.68 | 22.00         | 17.89                     | 18.05 | 17.68 | 19.00         |
| EDGE 4 Tx slots |                           |       |       |               |                           |       |       |               |

| GSM1900         | Burst Average Power (dBm) |       |        | Tune-up Limit | Frame Average Power (dBm) |       |        | Tune-up Limit |
|-----------------|---------------------------|-------|--------|---------------|---------------------------|-------|--------|---------------|
|                 | 512                       | 661   | 810    |               | 512                       | 661   | 810    |               |
| TX Channel      | 1852.2                    | 1860  | 1868.8 | (dBm)         | 1852.2                    | 1860  | 1868.8 | (dBm)         |
| Frequency (MHz) | 25.90                     | 26.20 | 26.12  | 27.10         | 16.90                     | 17.20 | 17.12  | 18.10         |
| GSM 1 Tx slot   | 25.87                     | 26.19 | 26.11  | 27.10         | 16.87                     | 17.19 | 17.11  | 18.10         |
| GPRS 1 Tx slot  | 22.95                     | 23.14 | 23.01  | 24.10         | 16.95                     | 17.14 | 17.01  | 18.10         |
| GPRS 2 Tx slots | 21.04                     | 21.45 | 21.25  | 22.36         | 16.79                     | 17.19 | 16.99  | 18.10         |
| GPRS 3 Tx slots | 20.00                     | 20.25 | 20.12  | 21.10         | 17.00                     | 17.25 | 17.12  | 18.10         |
| GPRS 4 Tx slots | 24.36                     | 24.58 | 24.40  | 25.00         | 15.36                     | 15.58 | 15.40  | 16.00         |
| EDGE 1 Tx slot  | 22.87                     | 23.07 | 23.11  | 24.00         | 16.87                     | 17.07 | 17.11  | 18.00         |
| EDGE 2 Tx slots | 21.31                     | 21.32 | 21.40  | 22.36         | 17.25                     | 17.06 | 17.14  | 18.10         |
| EDGE 3 Tx slots | 19.00                     | 19.88 | 19.69  | 21.00         | 16.66                     | 16.88 | 16.69  | 18.00         |
| EDGE 4 Tx slots |                           |       |        |               |                           |       |        |               |

| Band        |                    | WCDMA # |       |        | Tune-up Limit |
|-------------|--------------------|---------|-------|--------|---------------|
| Tx Channel  |                    | 9262    | 9400  | 9538   |               |
| Rx Channel  |                    | 9662    | 9800  | 9938   |               |
|             | Frequency (MHz)    | 1852.4  | 1860  | 1867.6 |               |
| 3GPP Rel 99 | AMR 12.2Kbps       | 15.26   | 15.36 | 15.19  | 16.30         |
| 3GPP Rel 99 | RMC 12.2Kbps       | 15.25   | 15.37 | 15.20  | 16.30         |
| 3GPP Rel 6  | HSDPA Subtest-1    | 14.36   | 14.45 | 14.00  | 15.30         |
| 3GPP Rel 6  | HSDPA Subtest-2    | 14.26   | 14.45 | 13.99  | 15.30         |
| 3GPP Rel 6  | HSDPA Subtest-3    | 13.56   | 13.55 | 13.15  | 14.80         |
| 3GPP Rel 6  | HSDPA Subtest-4    | 13.62   | 13.51 | 13.54  | 14.80         |
| 3GPP Rel 8  | DC-HSDPA Subtest-1 | 14.32   | 14.41 | 14.06  | 15.30         |
| 3GPP Rel 8  | DC-HSDPA Subtest-2 | 14.24   | 14.42 | 13.98  | 15.30         |
| 3GPP Rel 8  | DC-HSDPA Subtest-3 | 13.53   | 13.52 | 13.12  | 14.80         |
| 3GPP Rel 8  | DC-HSDPA Subtest-4 | 13.79   | 13.90 | 13.52  | 14.80         |
| 3GPP Rel 6  | HSUPA Subtest-1    | 14.62   | 14.87 | 14.44  | 15.30         |
| 3GPP Rel 6  | HSUPA Subtest-2    | 12.92   | 12.88 | 12.46  | 13.30         |
| 3GPP Rel 6  | HSUPA Subtest-3    | 13.84   | 13.87 | 13.43  | 14.30         |
| 3GPP Rel 6  | HSUPA Subtest-4    | 12.82   | 12.84 | 12.39  | 13.30         |
| 3GPP Rel 6  | HSUPA Subtest-5    | 14.70   | 14.61 | 14.52  | 15.30         |

| Band 2 (1900MHz Band)<br>Part 24E |            |         |           |                     |                        |                      |                     |          |  |
|-----------------------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|
| BW (MHz)                          | Modulation | RB Size | RB Offset | Power Low Ch. (dBm) | Power Middle Ch. (dBm) | Power High Ch. (dBm) | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                           |            |         |           | 18700               | 18900                  | 19100                |                     |          |  |
| Frequency (MHz)                   |            |         |           |                     |                        |                      |                     |          |  |
| 20                                | QPSK       | 1       | 0         | 15.23               | 15.30                  | 15.22                | 15.9                | 0        |  |
| 20                                | QPSK       | 1       | 49        | 15.02               | 15.06                  | 15.05                |                     |          |  |
| 20                                | QPSK       | 1       | 99        | 14.90               | 15.02                  | 15.03                |                     |          |  |
| 20                                | QPSK       | 50      | 0         | 15.02               | 15.17                  | 15.06                |                     |          |  |
| 20                                | QPSK       | 50      | 24        | 15.16               | 15.16                  | 15.16                | 15.9                | 0        |  |
| 20                                | QPSK       | 50      | 50        | 15.04               | 15.13                  | 15.12                |                     |          |  |
| 20                                | QPSK       | 100     | 0         | 15.07               | 15.12                  | 15.11                |                     |          |  |
| 20                                | 16QAM      | 1       | 0         | 15.32               | 15.36                  | 15.31                |                     |          |  |
| 20                                | 16QAM      | 1       | 49        | 15.23               | 15.34                  | 15.29                | 15.9                | 0        |  |
| 20                                | 16QAM      | 1       | 99        | 15.16               | 15.28                  | 15.16                |                     |          |  |
| 20                                | 16QAM      | 50      | 0         | 14.94               | 14.97                  | 15.00                |                     |          |  |
| 20                                | 16QAM      | 50      | 24        | 15.07               | 15.04                  | 15.14                |                     |          |  |
| 20                                | 16QAM      | 50      | 50        | 15.03               | 15.09                  | 15.11                | 15.9                | 0        |  |
| 20                                | 16QAM      | 100     | 0         | 15.00               | 14.95                  | 15.01                |                     |          |  |
| 20                                | 64QAM      | 1       | 0         | 15.18               | 15.21                  | 15.02                |                     |          |  |
| 20                                | 64QAM      | 1       | 49        | 15.00               | 15.14                  | 15.04                |                     |          |  |
| 20                                | 64QAM      | 1       | 99        | 14.97               | 15.05                  | 14.99                | 15.9                | 0        |  |
| 20                                | 64QAM      | 50      | 0         | 14.90               | 15.00                  | 15.00                |                     |          |  |
| 20                                | 64QAM      | 50      | 24        | 15.08               | 15.08                  | 15.11                |                     |          |  |
| 20                                | 64QAM      | 50      | 50        | 14.98               | 15.09                  | 15.06                |                     |          |  |
| 20                                | 64QAM      | 100     | 0         | 15.00               | 14.96                  | 15.10                | 15.9                | 0        |  |
| Channel                           |            |         |           | 18675               | 18900                  | 19125                |                     |          |  |
| Frequency (MHz)                   |            |         |           |                     |                        |                      |                     |          |  |
| 15                                | QPSK       | 1       | 0         | 14.90               | 15.12                  | 15.12                | 15.9                | 0        |  |
| 15                                | QPSK       | 1       | 37        | 15.01               | 15.08                  | 15.06                |                     |          |  |
| 15                                | QPSK       | 1       | 74        | 14.80               | 15.04                  | 15.03                |                     |          |  |
| 15                                | QPSK       | 36      | 0         | 15.00               | 15.10                  | 15.08                |                     |          |  |
| 15                                | QPSK       | 36      | 20        | 15.10               | 15.16                  | 15.23                | 15.9                | 0        |  |
| 15                                | QPSK       | 36      | 39        | 15.03               | 15.19                  | 15.16                |                     |          |  |
| 15                                | QPSK       | 75      | 0         | 15.08               | 15.11                  | 15.13                |                     |          |  |
| 15                                | 16QAM      | 1       | 0         | 15.17               | 15.31                  | 15.31                |                     |          |  |
| 15                                | 16QAM      | 1       | 37        | 15.24               | 15.30                  | 15.28                | 15.9                | 0        |  |
| 15                                | 16QAM      | 1       | 74        | 15.13               | 15.24                  | 15.25                |                     |          |  |
| 15                                | 16QAM      | 36      | 0         | 14.92               | 14.98                  | 14.98                |                     |          |  |
| 15                                | 16QAM      | 36      | 20        | 15.05               | 15.15                  | 15.11                |                     |          |  |
| 15                                | 16QAM      | 36      | 39        | 14.98               | 15.07                  | 15.08                | 15.9                | 0        |  |
| 15                                | 16QAM      | 75      | 0         | 15.00               | 15.02                  | 14.99                |                     |          |  |
| 15                                | 64QAM      | 1       | 0         | 14.92               | 15.15                  | 15.09                |                     |          |  |
| 15                                | 64QAM      | 1       | 37        | 14.96               | 15.16                  | 15.13                |                     |          |  |
| 15                                | 64QAM      | 1       | 74        | 14.88               | 15.08                  | 14.95                | 15.9                | 0        |  |
| 15                                | 64QAM      | 36      | 0         | 14.92               | 15.18                  | 14.98                |                     |          |  |
| 15                                | 64QAM      | 36      | 20        | 15.06               | 15.14                  | 15.12                |                     |          |  |
| 15                                | 64QAM      | 36      | 39        | 15.03               | 15.09                  | 15.09                |                     |          |  |
| 15                                | 64QAM      | 75      | 0         | 15.01               | 15.00                  | 15.05                | 15.9                | 0        |  |
| Channel                           |            |         |           | 18650               | 18900                  | 19150                |                     |          |  |
| Frequency (MHz)                   |            |         |           |                     |                        |                      |                     |          |  |
| 10                                | QPSK       | 1       | 0         | 14.66               | 14.80                  | 15.05                | 15.9                | 0        |  |
| 10                                | QPSK       | 1       | 25        | 14.94               | 14.65                  | 15.06                |                     |          |  |
| 10                                | QPSK       | 1       | 49        | 14.58               | 14.65                  | 15.02                |                     |          |  |
| 10                                | QPSK       | 25      | 0         | 14.82               | 15.02                  | 15.02                |                     |          |  |
| 10                                | QPSK       | 25      | 12        | 15.07               | 15.14                  | 15.14                | 15.9                | 0        |  |
| 10                                | QPSK       | 25      | 25        | 14.97               | 15.11                  | 15.13                |                     |          |  |
| 10                                | QPSK       | 50      | 0         | 15.00               | 15.05                  | 15.05                |                     |          |  |
| 10                                | 16QAM      | 1       | 0         | 15.03               | 15.17                  | 15.23                |                     |          |  |
| 10                                | 16QAM      | 1       | 25        | 15.34               | 15.23                  | 15.23                | 15.9                | 0        |  |
| 10                                | 16QAM      | 1       | 49        | 15.01               | 15.20                  | 15.37                |                     |          |  |
| 10                                | 16QAM      | 25      | 0         | 14.96               | 15.00                  | 14.99                |                     |          |  |
| 10                                | 16QAM      | 25      | 12        | 15.03               | 15.09                  | 15.11                |                     |          |  |
| 10                                | 16QAM      | 25      | 25        | 14.91               | 15.06                  | 15.05                | 15.9                | 0        |  |
| 10                                | 16QAM      | 50      | 0         | 14.93               | 15.01                  | 15.01                |                     |          |  |
| 10                                | 64QAM      | 1       | 0         | 15.01               | 15.07                  | 15.35                |                     |          |  |
| 10                                | 64QAM      | 1       | 25        | 15.17               | 15.38                  | 15.33                |                     |          |  |
| 10                                | 64QAM      | 1       | 49        | 14.97               | 14.86                  | 15.06                | 15.9                | 0        |  |
| 10                                | 64QAM      | 25      | 0         | 15.08               | 15.09                  | 15.21                |                     |          |  |
| 10                                | 64QAM      | 25      | 12        | 15.28               | 15.09                  | 15.30                |                     |          |  |
| 10                                | 64QAM      | 25      | 25        | 14.92               | 15.03                  | 15.32                |                     |          |  |
| 10                                | 64QAM      | 50      | 0         | 14.93               | 15.01                  | 15.00                | 15.9                | 0        |  |
| Channel                           |            |         |           | 18625               | 18900                  | 19175                |                     |          |  |
| Frequency (MHz)                   |            |         |           |                     |                        |                      |                     |          |  |
| 5                                 | QPSK       | 1       | 0         | 14.91               | 14.93                  | 14.99                | 15.9                | 0        |  |
| 5                                 | QPSK       | 1       | 12        | 15.01               | 15.09                  | 15.10                |                     |          |  |
| 5                                 | QPSK       | 1       | 24        | 14.86               | 14.98                  | 14.96                |                     |          |  |
| 5                                 | QPSK       | 12      | 0         | 15.07               | 15.08                  | 15.12                |                     |          |  |
| 5                                 | QPSK       | 12      | 7         | 15.11               | 15.12                  | 15.23                | 15.9                | 0        |  |
| 5                                 | QPSK       | 12      | 13        | 15.04               | 15.13                  | 15.16                |                     |          |  |
| 5                                 | QPSK       | 25      | 0         | 15.05               | 15.11                  | 15.18                |                     |          |  |
| 5                                 | 16QAM      | 1       | 0         | 15.29               | 15.32                  | 15.23                |                     |          |  |
| 5                                 | 16QAM      | 1       | 12        | 15.34               | 15.23                  | 15.21                | 15.9                | 0        |  |
| 5                                 | 16QAM      | 1       | 24        | 15.22               | 15.32                  | 15.30                |                     |          |  |
| 5                                 | 16QAM      | 12      | 0         | 15.10               | 15.13                  | 15.16                |                     |          |  |
| 5                                 | 16QAM      | 12      | 7         | 15.07               | 15.22                  | 15.19                |                     |          |  |
| 5                                 | 16QAM      | 12      | 13        | 14.99               | 15.09                  | 15.11                | 15.9                | 0        |  |
| 5                                 | 16QAM      | 25      | 0         | 15.04               | 15.08                  | 15.15                |                     |          |  |
| 5                                 | 64QAM      | 1       | 0         | 15.17               | 15.22                  | 15.25                |                     |          |  |
| 5                                 | 64QAM      | 1       | 12        | 15.25               | 15.34                  | 15.22                |                     |          |  |
| 5                                 | 64QAM      | 1       | 24        | 15.05               | 15.18                  | 15.22                | 15.9                | 0        |  |
| 5                                 | 64QAM      | 12      | 0         | 15.08               | 15.09                  | 15.17                |                     |          |  |
| 5                                 | 64QAM      | 12      | 7         | 15.20               | 15.19                  | 15.18                |                     |          |  |
| 5                                 | 64QAM      | 12      | 13        | 15.30               | 15.09                  | 15.07                |                     |          |  |
| 5                                 | 64QAM      | 25      | 0         | 14.94               | 15.10                  | 15.12                | 15.9                | 0        |  |
| Channel                           |            |         |           | 18615               | 18900                  | 19185                |                     |          |  |
| Frequency (MHz)                   |            |         |           |                     |                        |                      |                     |          |  |
| 3                                 | QPSK       | 1       | 0         | 15.00               | 15.21                  | 15.04                | 15.9                | 0        |  |
| 3                                 | QPSK       | 1       | 8         | 15.12               | 15.15                  | 15.17                |                     |          |  |
| 3                                 | QPSK       | 1       | 14        | 14.97               | 15.05                  | 15.06                |                     |          |  |
| 3                                 | QPSK       | 8       | 0         | 15.09               | 15.11                  | 15.30                |                     |          |  |
| 3                                 | QPSK       | 8       | 4         | 15.12               | 15.14                  | 15.11                | 15.9                | 0        |  |
| 3                                 | QPSK       | 8       | 7         | 15.07               | 15.15                  | 15.18                |                     |          |  |
| 3                                 | QPSK       | 15      | 0         | 15.06               | 15.13                  | 15.19                |                     |          |  |
| 3                                 | 16QAM      | 1       | 0         | 15.28               | 15.33                  | 15.38                |                     |          |  |
| 3                                 | 16QAM      | 1       | 8         | 15.31               | 15.21                  | 15.22                | 15.9                | 0        |  |
| 3                                 | 16QAM      | 1       | 14        | 15.19               | 15.31                  | 15.35                |                     |          |  |
| 3                                 | 16QAM      | 8       | 0         | 15.16               | 15.21                  | 15.29                |                     |          |  |
| 3                                 | 16QAM      | 8       | 4         | 15.12               | 15.27                  | 15.31                |                     |          |  |
| 3                                 | 16QAM      | 15      | 0         | 15.08               | 15.18                  | 15.20                | 15.9                | 0        |  |
| 3                                 | 64QAM      | 1       | 0         | 15.23               | 15.29                  | 15.27                |                     |          |  |
| 3                                 | 64QAM      | 1       | 8         | 15.26               | 15.23                  | 15.22                |                     |          |  |
| 3                                 | 64QAM      | 1       | 14        | 15.11               | 15.20                  | 15.24                |                     |          |  |
| 3                                 | 64QAM      | 8       | 0         | 15.11               | 15.20                  | 15.23                | 15.9                | 0        |  |
| 3                                 | 64QAM      | 8       | 4         | 15.21               | 15.20                  | 15.22                |                     |          |  |
| 3                                 | 64QAM      | 8       | 7         | 15.23               | 15.13                  | 15.13                |                     |          |  |
| 3                                 | 64QAM      | 15      | 0         | 15.32               | 15.18                  | 15.14                |                     |          |  |
| Channel                           |            |         |           | 18607               | 18900                  | 19193                |                     |          |  |
| Frequency (MHz)                   |            |         |           |                     |                        |                      |                     |          |  |
| 1.4                               | QPSK       | 1       | 0         | 14.81               | 14.83                  | 14.85                | 15.9                | 0        |  |
| 1.4                               | QPSK       | 1       | 3         | 14.83               | 14.93                  | 14.86                |                     |          |  |
| 1.4                               | QPSK       | 1       | 5         | 14.79               | 14.93                  | 14.93                |                     |          |  |
| 1.4                               | QPSK       | 3       | 0         | 14.91               | 14.97                  | 14.99                |                     |          |  |
| 1.4                               | QPSK       | 3       | 1         | 14.98               | 15.04                  | 15.11                | 15.9                | 0        |  |
| 1.4                               | QPSK       | 3       | 3         | 14.88               | 14.94                  | 15.00                |                     |          |  |
| 1.4                               | QPSK       | 6       | 0         | 15.00               | 15.08                  | 15.03                |                     |          |  |
| 1.4                               | 16QAM      | 1       | 0         | 15.07               | 15.35                  | 15.16                |                     |          |  |
| 1.4                               | 16QAM      | 1       | 3         | 15.10               | 15.11                  | 15.38                | 15.9                | 0        |  |
| 1.4                               | 16QAM      | 1       | 5         | 15.01               | 15.16                  | 14.92                |                     |          |  |
| 1.4                               | 16QAM      | 3       | 0         | 14.98               | 15.10                  | 15.25                |                     |          |  |
| 1.4                               | 16QAM      | 3       | 1         | 15.08               | 15.04                  | 15.28                |                     |          |  |
| 1.4                               | 16QAM      | 3       | 3         | 14.95               | 15.04                  | 15.05                | 15.9                | 0        |  |
| 1.4                               | 16QAM      | 6       | 0         | 15.06               | 15.16                  | 15.15                |                     |          |  |
| 1.4                               | 64QAM      | 1       | 0         | 14.98               | 15.03                  | 14.94                |                     |          |  |
| 1.4                               | 64QAM      | 1       | 3         | 14.82               | 14.93                  | 15.16                |                     |          |  |
| 1.4                               | 64QAM      | 1       | 6         | 14.74               | 14.83                  | 15.21                | 15.9                | 0        |  |
| 1.4                               | 64QAM      | 3       | 0         | 14.94               | 14.96                  | 14.91                |                     |          |  |
| 1.4                               | 64QAM      | 3       | 1         | 14.83               | 14.73                  | 14.92                |                     |          |  |
| 1.4                               | 64QAM      | 3       | 3         | 14.68               | 14.80                  | 14.87                |                     |          |  |
| 1.4                               | 64QAM      | 6       | 0         | 14.80               | 14.95                  | 14.87                | 15.9                | 0        |  |

| Band 5 (Cellular Band)<br>Part 22H(only on channel required) |            |         |           |                       |                          |                        |                     |          |     |
|--------------------------------------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| 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         | 22.51                 | 22.64                    | 22.59                  | 23.7                |          | 0   |
| 10                                                           | QPSK       | 1       | 25        | 22.60                 | 22.63                    | 22.56                  |                     |          |     |
| 10                                                           | QPSK       | 1       | 49        | 22.53                 | 22.57                    | 22.54                  |                     |          |     |
| 10                                                           | QPSK       | 25      | 0         | 21.50                 | 21.52                    | 21.34                  |                     |          |     |
| 10                                                           | QPSK       | 25      | 12        | 21.50                 | 21.66                    | 21.61                  | 23                  |          | 0.7 |
| 10                                                           | QPSK       | 25      | 25        | 21.47                 | 21.40                    | 21.25                  |                     |          |     |
| 10                                                           | QPSK       | 50      | 0         | 21.43                 | 21.34                    | 21.25                  |                     |          |     |
| 10                                                           | 16QAM      | 1       | 0         | 21.76                 | 21.62                    | 21.69                  |                     |          |     |
| 10                                                           | 16QAM      | 1       | 25        | 21.77                 | 21.65                    | 21.65                  | 23                  |          | 0.7 |
| 10                                                           | 16QAM      | 1       | 49        | 21.80                 | 21.63                    | 21.51                  |                     |          |     |
| 10                                                           | 16QAM      | 25      | 0         | 20.76                 | 20.64                    | 20.55                  |                     |          |     |
| 10                                                           | 16QAM      | 25      | 12        | 20.74                 | 20.65                    | 20.48                  |                     |          |     |
| 10                                                           | 16QAM      | 25      | 25        | 20.66                 | 20.54                    | 20.49                  | 22                  |          | 1.7 |
| 10                                                           | 16QAM      | 50      | 0         | 20.67                 | 20.49                    | 20.39                  |                     |          |     |
| 10                                                           | 64QAM      | 1       | 0         | 20.78                 | 20.43                    | 20.45                  |                     |          |     |
| 10                                                           | 64QAM      | 1       | 25        | 20.73                 | 20.61                    | 20.55                  |                     |          |     |
| 10                                                           | 64QAM      | 1       | 49        | 20.38                 | 20.67                    | 20.57                  | 22                  |          | 1.7 |
| 10                                                           | 64QAM      | 25      | 0         | 19.70                 | 19.41                    | 19.39                  |                     |          |     |
| 10                                                           | 64QAM      | 25      | 12        | 19.56                 | 19.59                    | 19.57                  |                     |          |     |
| 10                                                           | 64QAM      | 25      | 25        | 19.70                 | 19.49                    | 19.79                  |                     |          |     |
| 10                                                           | 64QAM      | 50      | 0         | 19.50                 | 19.38                    | 19.39                  | 21                  |          | 2.7 |
| Channel                                                      |            |         |           | 20425                 | 20529                    | 20625                  |                     |          |     |
| Frequency (MHz)                                              |            |         |           | 826.5                 | 836.5                    | 846.5                  | Tune-up limit (dBm) | MPR (dB) |     |
| 5                                                            | QPSK       | 1       | 0         | 22.60                 | 22.48                    | 22.47                  | 23.7                |          | 0   |
| 5                                                            | QPSK       | 1       | 12        | 22.43                 | 22.46                    | 22.35                  |                     |          |     |
| 5                                                            | QPSK       | 1       | 24        | 22.47                 | 22.43                    | 22.25                  |                     |          |     |
| 5                                                            | QPSK       | 12      | 0         | 21.50                 | 21.29                    | 21.15                  |                     |          |     |
| 5                                                            | QPSK       | 12      | 7         | 21.58                 | 21.42                    | 21.24                  | 23                  |          | 0.7 |
| 5                                                            | QPSK       | 12      | 13        | 21.53                 | 21.32                    | 21.10                  |                     |          |     |
| 5                                                            | QPSK       | 25      | 0         | 21.62                 | 21.34                    | 21.21                  |                     |          |     |
| 5                                                            | 16QAM      | 1       | 0         | 21.39                 | 21.43                    | 21.48                  |                     |          |     |
| 5                                                            | 16QAM      | 1       | 12        | 21.63                 | 21.68                    | 21.45                  | 23                  |          | 0.7 |
| 5                                                            | 16QAM      | 1       | 24        | 21.73                 | 21.58                    | 21.23                  |                     |          |     |
| 5                                                            | 16QAM      | 12      | 0         | 20.75                 | 20.60                    | 20.40                  |                     |          |     |
| 5                                                            | 16QAM      | 12      | 7         | 20.78                 | 20.62                    | 20.45                  |                     |          |     |
| 5                                                            | 16QAM      | 12      | 13        | 20.70                 | 20.51                    | 20.40                  | 22                  |          | 1.7 |
| 5                                                            | 16QAM      | 25      | 0         | 20.76                 | 20.47                    | 20.41                  |                     |          |     |
| 5                                                            | 64QAM      | 1       | 0         | 20.78                 | 20.36                    | 20.45                  |                     |          |     |
| 5                                                            | 64QAM      | 1       | 12        | 20.70                 | 20.52                    | 20.50                  |                     |          |     |
| 5                                                            | 64QAM      | 1       | 24        | 20.33                 | 20.67                    | 20.57                  | 22                  |          | 1.7 |
| 5                                                            | 64QAM      | 12      | 0         | 19.61                 | 19.48                    | 19.45                  |                     |          |     |
| 5                                                            | 64QAM      | 12      | 7         | 19.63                 | 19.65                    | 19.48                  |                     |          |     |
| 5                                                            | 64QAM      | 12      | 13        | 19.64                 | 19.49                    | 19.86                  |                     |          |     |
| 5                                                            | 64QAM      | 25      | 0         | 19.50                 | 19.45                    | 19.45                  | 21                  |          | 2.7 |
| Channel                                                      |            |         |           | 20415                 | 20525                    | 20635                  |                     |          |     |
| Frequency (MHz)                                              |            |         |           | 825.5                 | 836.5                    | 847.5                  | Tune-up limit (dBm) | MPR (dB) |     |
| 3                                                            | QPSK       | 1       | 0         | 22.33                 | 22.48                    | 22.43                  | 23.7                |          | 0   |
| 3                                                            | QPSK       | 1       | 8         | 22.46                 | 22.48                    | 22.49                  |                     |          |     |
| 3                                                            | QPSK       | 1       | 14        | 22.44                 | 22.61                    | 22.41                  |                     |          |     |
| 3                                                            | QPSK       | 8       | 0         | 21.55                 | 21.39                    | 21.28                  |                     |          |     |
| 3                                                            | QPSK       | 8       | 4         | 21.65                 | 21.50                    | 21.30                  | 23                  |          | 0.7 |
| 3                                                            | QPSK       | 8       | 7         | 21.55                 | 21.42                    | 21.29                  |                     |          |     |
| 3                                                            | QPSK       | 15      | 0         | 21.63                 | 21.46                    | 21.32                  |                     |          |     |
| 3                                                            | 16QAM      | 1       | 0         | 21.83                 | 21.60                    | 21.53                  |                     |          |     |
| 3                                                            | 16QAM      | 1       | 8         | 21.84                 | 21.83                    | 21.58                  | 23                  |          | 0.7 |
| 3                                                            | 16QAM      | 1       | 14        | 21.78                 | 21.63                    | 21.39                  |                     |          |     |
| 3                                                            | 16QAM      | 8       | 0         | 20.82                 | 20.62                    | 20.55                  |                     |          |     |
| 3                                                            | 16QAM      | 8       | 4         | 20.91                 | 20.74                    | 20.62                  |                     |          |     |
| 3                                                            | 16QAM      | 8       | 7         | 20.79                 | 20.73                    | 20.55                  | 22                  |          | 1.7 |
| 3                                                            | 16QAM      | 15      | 0         | 20.82                 | 20.56                    | 20.54                  |                     |          |     |
| 3                                                            | 64QAM      | 1       | 0         | 20.72                 | 20.32                    | 20.41                  |                     |          |     |
| 3                                                            | 64QAM      | 1       | 8         | 20.67                 | 20.46                    | 20.44                  |                     |          |     |
| 3                                                            | 64QAM      | 1       | 14        | 20.31                 | 20.65                    | 20.54                  | 22                  |          | 1.7 |
| 3                                                            | 64QAM      | 8       | 0         | 19.55                 | 19.45                    | 19.41                  |                     |          |     |
| 3                                                            | 64QAM      | 8       | 4         | 19.60                 | 19.59                    | 19.46                  |                     |          |     |
| 3                                                            | 64QAM      | 8       | 7         | 19.60                 | 19.47                    | 19.83                  |                     |          |     |
| 3                                                            | 64QAM      | 15      | 0         | 19.44                 | 19.42                    | 19.39                  | 21                  |          | 2.7 |
| Channel                                                      |            |         |           | 20407                 | 20525                    | 20643                  |                     |          |     |
| Frequency (MHz)                                              |            |         |           | 824.7                 | 836.5                    | 848.3                  | Tune-up limit (dBm) | MPR (dB) |     |
| 1.4                                                          | QPSK       | 1       | 0         | 22.40                 | 22.42                    | 22.48                  | 23.7                |          | 0   |
| 1.4                                                          | QPSK       | 1       | 3         | 22.56                 | 22.53                    | 22.35                  |                     |          |     |
| 1.4                                                          | QPSK       | 1       | 5         | 22.52                 | 22.40                    | 22.23                  |                     |          |     |
| 1.4                                                          | QPSK       | 3       | 0         | 22.61                 | 22.45                    | 22.25                  |                     |          |     |
| 1.4                                                          | QPSK       | 3       | 1         | 22.36                 | 22.54                    | 22.32                  | 23                  |          | 0.7 |
| 1.4                                                          | QPSK       | 3       | 3         | 22.31                 | 22.46                    | 22.32                  |                     |          |     |
| 1.4                                                          | QPSK       | 6       | 0         | 21.56                 | 21.44                    | 21.33                  |                     |          |     |
| 1.4                                                          | 16QAM      | 1       | 0         | 21.80                 | 21.73                    | 21.48                  |                     |          |     |
| 1.4                                                          | 16QAM      | 1       | 3         | 21.84                 | 21.81                    | 21.66                  | 23                  |          | 0.7 |
| 1.4                                                          | 16QAM      | 1       | 5         | 21.77                 | 21.72                    | 21.44                  |                     |          |     |
| 1.4                                                          | 16QAM      | 3       | 0         | 21.50                 | 21.54                    | 21.24                  |                     |          |     |
| 1.4                                                          | 16QAM      | 3       | 1         | 21.62                 | 21.47                    | 21.33                  |                     |          |     |
| 1.4                                                          | 16QAM      | 3       | 3         | 21.55                 | 21.39                    | 21.19                  | 22                  |          | 1.7 |
| 1.4                                                          | 16QAM      | 6       | 0         | 20.89                 | 20.79                    | 20.57                  |                     |          |     |
| 1.4                                                          | 64QAM      | 1       | 0         | 20.76                 | 20.38                    | 20.47                  |                     |          |     |
| 1.4                                                          | 64QAM      | 1       | 3         | 20.74                 | 20.50                    | 20.48                  |                     |          |     |
| 1.4                                                          | 64QAM      | 1       | 5         | 20.39                 | 20.73                    | 20.61                  | 22                  |          | 1.7 |
| 1.4                                                          | 64QAM      | 3       | 0         | 20.27                 | 20.61                    | 20.71                  |                     |          |     |
| 1.4                                                          | 64QAM      | 3       | 1         | 20.35                 | 20.31                    | 20.55                  |                     |          |     |
| 1.4                                                          | 64QAM      | 3       | 3         | 20.34                 | 20.23                    | 20.58                  |                     |          |     |
| 1.4                                                          | 64QAM      | 6       | 0         | 19.48                 | 19.49                    | 19.43                  | 21                  | 2.7      |     |

| Band 7 (2600MHz Band)<br>Part 27 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                          |            |         |           | 20550                 | 21100                    | 21350                  |                     |          |  |
| Frequency (MHz)                  |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20                               | QPSK       | 1       | 0         | 13.66                 | 13.97                    | 13.62                  | 14.2                | 0        |  |
| 20                               | QPSK       | 1       | 49        | 13.67                 | 13.75                    | 13.56                  |                     |          |  |
| 20                               | QPSK       | 1       | 99        | 13.55                 | 13.73                    | 13.63                  |                     |          |  |
| 20                               | QPSK       | 50      | 0         | 13.72                 | 13.94                    | 13.56                  |                     |          |  |
| 20                               | QPSK       | 50      | 24        | 13.94                 | 13.78                    | 13.90                  | 14.2                | 0        |  |
| 20                               | QPSK       | 50      | 50        | 13.87                 | 13.94                    | 13.94                  |                     |          |  |
| 20                               | QPSK       | 100     | 0         | 13.67                 | 13.75                    | 13.74                  |                     |          |  |
| 20                               | 16QAM      | 1       | 0         | 13.89                 | 13.92                    | 13.69                  |                     |          |  |
| 20                               | 16QAM      | 1       | 49        | 13.75                 | 13.86                    | 13.82                  | 14.2                | 0        |  |
| 20                               | 16QAM      | 1       | 99        | 13.96                 | 13.92                    | 13.73                  |                     |          |  |
| 20                               | 16QAM      | 50      | 0         | 13.61                 | 13.74                    | 13.73                  |                     |          |  |
| 20                               | 16QAM      | 50      | 24        | 13.86                 | 13.81                    | 13.57                  |                     |          |  |
| 20                               | 16QAM      | 50      | 50        | 13.87                 | 13.88                    | 13.91                  | 14.2                | 0        |  |
| 20                               | 16QAM      | 100     | 0         | 13.80                 | 13.80                    | 13.88                  |                     |          |  |
| 20                               | 64QAM      | 1       | 0         | 13.56                 | 13.61                    | 13.56                  |                     |          |  |
| 20                               | 64QAM      | 1       | 49        | 13.66                 | 13.63                    | 13.47                  |                     |          |  |
| 20                               | 64QAM      | 1       | 99        | 13.64                 | 13.91                    | 13.89                  | 14.2                | 0        |  |
| 20                               | 64QAM      | 50      | 0         | 13.48                 | 13.53                    | 13.82                  |                     |          |  |
| 20                               | 64QAM      | 50      | 24        | 13.63                 | 13.65                    | 13.66                  |                     |          |  |
| 20                               | 64QAM      | 50      | 50        | 13.74                 | 13.72                    | 13.61                  |                     |          |  |
| 20                               | 64QAM      | 100     | 0         | 13.85                 | 13.82                    | 13.81                  |                     |          |  |
| Channel                          |            |         |           | 20825                 | 21100                    | 21375                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)                  |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15                               | QPSK       | 1       | 0         | 13.66                 | 13.80                    | 13.62                  | 14.2                | 0        |  |
| 15                               | QPSK       | 1       | 37        | 13.67                 | 13.75                    | 13.56                  |                     |          |  |
| 15                               | QPSK       | 1       | 74        | 13.55                 | 13.73                    | 13.63                  |                     |          |  |
| 15                               | QPSK       | 36      | 0         | 13.72                 | 13.74                    | 13.56                  |                     |          |  |
| 15                               | QPSK       | 36      | 20        | 13.94                 | 13.78                    | 13.90                  | 14.2                | 0        |  |
| 15                               | QPSK       | 36      | 39        | 13.87                 | 13.90                    | 13.94                  |                     |          |  |
| 15                               | QPSK       | 75      | 0         | 13.66                 | 13.75                    | 13.62                  |                     |          |  |
| 15                               | 16QAM      | 1       | 0         | 13.75                 | 13.78                    | 13.61                  |                     |          |  |
| 15                               | 16QAM      | 1       | 37        | 13.86                 | 13.92                    | 13.85                  | 14.2                | 0        |  |
| 15                               | 16QAM      | 1       | 74        | 13.79                 | 13.95                    | 13.89                  |                     |          |  |
| 15                               | 16QAM      | 36      | 0         | 13.64                 | 13.69                    | 13.66                  |                     |          |  |
| 15                               | 16QAM      | 36      | 20        | 13.74                 | 13.68                    | 13.54                  |                     |          |  |
| 15                               | 16QAM      | 36      | 39        | 13.62                 | 13.65                    | 13.55                  | 14.2                | 0        |  |
| 15                               | 16QAM      | 75      | 0         | 13.69                 | 13.64                    | 13.56                  |                     |          |  |
| 15                               | 64QAM      | 1       | 0         | 13.79                 | 13.84                    | 13.77                  |                     |          |  |
| 15                               | 64QAM      | 1       | 37        | 13.86                 | 13.88                    | 13.72                  |                     |          |  |
| 15                               | 64QAM      | 1       | 74        | 13.38                 | 13.66                    | 13.65                  | 14.2                | 0        |  |
| 15                               | 64QAM      | 36      | 0         | 13.80                 | 13.80                    | 13.88                  |                     |          |  |
| 15                               | 64QAM      | 36      | 20        | 13.79                 | 13.83                    | 13.79                  |                     |          |  |
| 15                               | 64QAM      | 36      | 39        | 13.86                 | 13.83                    | 13.71                  |                     |          |  |
| 15                               | 64QAM      | 75      | 0         | 13.65                 | 13.69                    | 13.63                  |                     |          |  |
| Channel                          |            |         |           | 20800                 | 21100                    | 21400                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)                  |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10                               | QPSK       | 1       | 0         | 13.66                 | 13.84                    | 13.62                  | 14.2                | 0        |  |
| 10                               | QPSK       | 1       | 25        | 13.67                 | 13.75                    | 13.56                  |                     |          |  |
| 10                               | QPSK       | 1       | 49        | 13.55                 | 13.73                    | 13.63                  |                     |          |  |
| 10                               | QPSK       | 25      | 0         | 13.72                 | 13.74                    | 13.56                  |                     |          |  |
| 10                               | QPSK       | 25      | 12        | 13.94                 | 13.72                    | 13.90                  | 14.2                | 0        |  |
| 10                               | QPSK       | 25      | 25        | 13.87                 | 13.90                    | 13.94                  |                     |          |  |
| 10                               | QPSK       | 50      | 0         | 13.66                 | 13.75                    | 13.62                  |                     |          |  |
| 10                               | 16QAM      | 1       | 0         | 13.75                 | 13.78                    | 13.61                  |                     |          |  |
| 10                               | 16QAM      | 1       | 25        | 13.86                 | 13.94                    | 13.85                  | 14.2                | 0        |  |
| 10                               | 16QAM      | 1       | 49        | 13.76                 | 13.95                    | 13.89                  |                     |          |  |
| 10                               | 16QAM      | 25      | 0         | 13.64                 | 13.69                    | 13.66                  |                     |          |  |
| 10                               | 16QAM      | 25      | 12        | 13.74                 | 13.68                    | 13.54                  |                     |          |  |
| 10                               | 16QAM      | 25      | 25        | 13.62                 | 13.62                    | 13.55                  | 14.2                | 0        |  |
| 10                               | 16QAM      | 50      | 0         | 13.69                 | 13.64                    | 13.56                  |                     |          |  |
| 10                               | 16QAM      | 1       | 0         | 13.79                 | 13.84                    | 13.77                  |                     |          |  |
| 10                               | 64QAM      | 1       | 25        | 13.86                 | 13.88                    | 13.72                  |                     |          |  |
| 10                               | 64QAM      | 1       | 49        | 13.38                 | 13.66                    | 13.65                  | 14.2                | 0        |  |
| 10                               | 64QAM      | 25      | 0         | 13.64                 | 13.82                    | 13.58                  |                     |          |  |
| 10                               | 64QAM      | 25      | 12        | 13.79                 | 13.83                    | 13.79                  |                     |          |  |
| 10                               | 64QAM      | 25      | 25        | 13.86                 | 13.83                    | 13.71                  |                     |          |  |
| 10                               | 64QAM      | 50      | 0         | 13.65                 | 13.69                    | 13.63                  |                     |          |  |
| Channel                          |            |         |           | 20775                 | 21100                    | 21425                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)                  |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5                                | QPSK       | 1       | 0         | 13.66                 | 13.82                    | 13.62                  | 14.2                | 0        |  |
| 5                                | QPSK       | 1       | 12        | 13.67                 | 13.75                    | 13.56                  |                     |          |  |
| 5                                | QPSK       | 1       | 24        | 13.55                 | 13.73                    | 13.63                  |                     |          |  |
| 5                                | QPSK       | 12      | 0         | 13.72                 | 13.74                    | 13.56                  |                     |          |  |
| 5                                | QPSK       | 12      | 7         | 13.94                 | 13.78                    | 13.90                  | 14.2                | 0        |  |
| 5                                | QPSK       | 12      | 13        | 13.87                 | 13.90                    | 13.94                  |                     |          |  |
| 5                                | QPSK       | 25      | 0         | 13.66                 | 13.75                    | 13.62                  |                     |          |  |
| 5                                | 16QAM      | 1       | 0         | 13.75                 | 13.78                    | 13.61                  |                     |          |  |
| 5                                | 16QAM      | 1       | 12        | 13.86                 | 13.94                    | 13.88                  | 14.2                | 0        |  |
| 5                                | 16QAM      | 1       | 24        | 13.83                 | 13.95                    | 13.89                  |                     |          |  |
| 5                                | 16QAM      | 12      | 0         | 13.64                 | 13.69                    | 13.66                  |                     |          |  |
| 5                                | 16QAM      | 12      | 7         | 13.74                 | 13.68                    | 13.54                  |                     |          |  |
| 5                                | 16QAM      | 12      | 13        | 13.71                 | 13.83                    | 13.73                  | 14.2                | 0        |  |
| 5                                | 16QAM      | 25      | 0         | 13.89                 | 13.79                    | 13.63                  |                     |          |  |
| 5                                | 64QAM      | 1       | 0         | 13.61                 | 13.66                    | 13.67                  |                     |          |  |
| 5                                | 64QAM      | 1       | 12        | 13.76                 | 13.77                    | 13.55                  |                     |          |  |
| 5                                | 64QAM      | 1       | 24        | 13.35                 | 13.62                    | 13.64                  | 14.2                | 0        |  |
| 5                                | 64QAM      | 12      | 0         | 13.68                 | 13.88                    | 13.63                  |                     |          |  |
| 5                                | 64QAM      | 12      | 7         | 13.80                 | 13.83                    | 13.78                  |                     |          |  |
| 5                                | 64QAM      | 12      | 13        | 13.66                 | 13.68                    | 13.54                  |                     |          |  |
| 5                                | 64QAM      | 25      | 0         | 13.74                 | 13.79                    | 13.64                  |                     |          |  |

| Band 66         |            |         |           |                       |                          |                        |                     |          |  |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|
| 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         |            |         |           | 13072                 | 13322                    | 13572                  |                     |          |  |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |  |  |
| 20              | QPSK       | 1       | 0         | 15.23                 | 15.43                    | 15.32                  | 16.1                | 0        |  |  |
| 20              | QPSK       | 1       | 49        | 15.00                 | 15.07                    | 15.06                  |                     |          |  |  |
| 20              | QPSK       | 1       | 99        | 15.22                 | 15.23                    | 15.14                  |                     |          |  |  |
| 20              | QPSK       | 50      | 0         | 15.09                 | 15.33                    | 15.32                  |                     |          |  |  |
| 20              | QPSK       | 50      | 24        | 15.20                 | 15.15                    | 15.15                  | 16.1                | 0        |  |  |
| 20              | QPSK       | 50      | 50        | 15.06                 | 15.06                    | 15.05                  |                     |          |  |  |
| 20              | QPSK       | 100     | 0         | 15.11                 | 15.12                    | 15.02                  |                     |          |  |  |
| 20              | 16QAM      | 1       | 0         | 15.20                 | 15.25                    | 15.16                  |                     |          |  |  |
| 20              | 16QAM      | 1       | 49        | 15.38                 | 15.42                    | 15.39                  | 16.1                | 0        |  |  |
| 20              | 16QAM      | 1       | 99        | 15.06                 | 15.05                    | 15.26                  |                     |          |  |  |
| 20              | 16QAM      | 50      | 0         | 15.08                 | 14.91                    | 15.14                  |                     |          |  |  |
| 20              | 16QAM      | 50      | 24        | 15.18                 | 14.98                    | 15.15                  |                     |          |  |  |
| 20              | 16QAM      | 50      | 50        | 15.04                 | 15.10                    | 15.09                  | 16.1                | 0        |  |  |
| 20              | 16QAM      | 100     | 0         | 15.09                 | 15.05                    | 15.07                  |                     |          |  |  |
| 20              | 64QAM      | 1       | 0         | 15.01                 | 14.96                    | 15.38                  |                     |          |  |  |
| 20              | 64QAM      | 1       | 49        | 15.20                 | 15.30                    | 15.31                  |                     |          |  |  |
| 20              | 64QAM      | 1       | 99        | 15.08                 | 14.98                    | 15.10                  | 16.1                | 0        |  |  |
| 20              | 64QAM      | 50      | 0         | 15.09                 | 15.15                    | 15.09                  |                     |          |  |  |
| 20              | 64QAM      | 50      | 24        | 15.18                 | 15.14                    | 15.03                  |                     |          |  |  |
| 20              | 64QAM      | 50      | 50        | 15.03                 | 15.09                    | 15.32                  |                     |          |  |  |
| 20              | 64QAM      | 100     | 0         | 15.10                 | 15.05                    | 15.07                  |                     |          |  |  |
| Channel         |            |         |           | 13202                 | 13322                    | 13597                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |  |  |
| 15              | QPSK       | 1       | 0         | 15.00                 | 15.02                    | 15.15                  | 16.1                | 0        |  |  |
| 15              | QPSK       | 1       | 37        | 15.01                 | 15.06                    | 15.04                  |                     |          |  |  |
| 15              | QPSK       | 1       | 74        | 14.83                 | 14.91                    | 15.09                  |                     |          |  |  |
| 15              | QPSK       | 36      | 0         | 15.11                 | 15.10                    | 15.14                  |                     |          |  |  |
| 15              | QPSK       | 36      | 20        | 15.16                 | 15.15                    | 15.14                  | 16.1                | 0        |  |  |
| 15              | QPSK       | 36      | 39        | 15.10                 | 15.12                    | 15.13                  |                     |          |  |  |
| 15              | QPSK       | 75      | 0         | 15.14                 | 15.08                    | 15.10                  |                     |          |  |  |
| 15              | 16QAM      | 1       | 0         | 15.27                 | 15.29                    | 15.16                  |                     |          |  |  |
| 15              | 16QAM      | 1       | 37        | 15.33                 | 15.34                    | 15.38                  | 16.1                | 0        |  |  |
| 15              | 16QAM      | 1       | 74        | 15.13                 | 15.19                    | 15.25                  |                     |          |  |  |
| 15              | 16QAM      | 36      | 0         | 15.12                 | 15.14                    | 15.15                  |                     |          |  |  |
| 15              | 16QAM      | 36      | 20        | 15.16                 | 15.11                    | 15.10                  |                     |          |  |  |
| 15              | 16QAM      | 36      | 39        | 15.08                 | 15.11                    | 15.08                  | 16.1                | 0        |  |  |
| 15              | 16QAM      | 75      | 0         | 15.13                 | 15.13                    | 15.09                  |                     |          |  |  |
| 15              | 64QAM      | 1       | 0         | 15.17                 | 15.17                    | 15.32                  |                     |          |  |  |
| 15              | 64QAM      | 1       | 37        | 15.32                 | 15.30                    | 15.24                  |                     |          |  |  |
| 15              | 64QAM      | 1       | 74        | 15.02                 | 15.20                    | 15.06                  | 16.1                | 0        |  |  |
| 15              | 64QAM      | 36      | 0         | 15.09                 | 15.20                    | 15.13                  |                     |          |  |  |
| 15              | 64QAM      | 36      | 20        | 15.16                 | 15.08                    | 15.09                  |                     |          |  |  |
| 15              | 64QAM      | 36      | 39        | 15.11                 | 15.10                    | 15.11                  |                     |          |  |  |
| 15              | 64QAM      | 75      | 0         | 15.17                 | 15.10                    | 15.13                  |                     |          |  |  |
| Channel         |            |         |           | 132022                | 133222                   | 136922                 | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |  |  |
| 10              | QPSK       | 1       | 0         | 14.85                 | 14.85                    | 14.90                  | 16.1                | 0        |  |  |
| 10              | QPSK       | 1       | 25        | 15.00                 | 14.97                    | 14.97                  |                     |          |  |  |
| 10              | QPSK       | 1       | 49        | 14.69                 | 14.67                    | 14.82                  |                     |          |  |  |
| 10              | QPSK       | 25      | 0         | 15.07                 | 15.06                    | 15.14                  |                     |          |  |  |
| 10              | QPSK       | 25      | 12        | 14.93                 | 15.13                    | 15.09                  | 16.1                | 0        |  |  |
| 10              | QPSK       | 25      | 25        | 15.04                 | 14.99                    | 15.12                  |                     |          |  |  |
| 10              | QPSK       | 50      | 0         | 15.10                 | 15.06                    | 15.03                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 0         | 15.14                 | 15.36                    | 15.39                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 25        | 15.27                 | 15.25                    | 15.36                  | 16.1                | 0        |  |  |
| 10              | 16QAM      | 1       | 49        | 14.95                 | 15.04                    | 15.36                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 0         | 15.09                 | 15.09                    | 15.21                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 12        | 15.16                 | 15.04                    | 15.16                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 25        | 15.10                 | 15.14                    | 15.06                  | 16.1                | 0        |  |  |
| 10              | 16QAM      | 50      | 0         | 15.16                 | 15.10                    | 15.18                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 0         | 15.09                 | 15.02                    | 15.33                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 25        | 15.37                 | 15.18                    | 15.38                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 49        | 15.10                 | 15.15                    | 15.28                  | 16.1                | 0        |  |  |
| 10              | 64QAM      | 25      | 0         | 15.12                 | 15.20                    | 15.08                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 12        | 15.08                 | 15.21                    | 15.12                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 25        | 15.03                 | 14.96                    | 15.01                  |                     |          |  |  |
| 10              | 64QAM      | 50      | 0         | 15.05                 | 15.02                    | 15.13                  |                     |          |  |  |
| Channel         |            |         |           | 131997                | 133222                   | 136847                 | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |  |  |
| 5               | QPSK       | 1       | 0         | 14.95                 | 15.10                    | 15.13                  | 16.1                | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 15.06                 | 15.17                    | 15.16                  |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 15.00                 | 15.05                    | 15.00                  |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 15.23                 | 15.21                    | 15.27                  |                     |          |  |  |
| 5               | QPSK       | 12      | 7         | 15.21                 | 15.22                    | 15.11                  | 16.1                | 0        |  |  |
| 5               | QPSK       | 12      | 13        | 15.05                 | 15.14                    | 15.04                  |                     |          |  |  |
| 5               | QPSK       | 25      | 0         | 15.08                 | 15.12                    | 15.16                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 0         | 15.21                 | 15.22                    | 15.23                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 12        | 15.23                 | 15.22                    | 15.22                  | 16.1                | 0        |  |  |
| 5               | 16QAM      | 1       | 24        | 15.21                 | 15.21                    | 15.22                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 0         | 15.12                 | 15.21                    | 15.17                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 7         | 15.18                 | 15.20                    | 15.22                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 13        | 15.04                 | 15.12                    | 15.13                  | 16.1                | 0        |  |  |
| 5               | 16QAM      | 25      | 0         | 15.14                 | 15.27                    | 15.18                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 0         | 15.25                 | 15.21                    | 15.21                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 12        | 15.23                 | 15.23                    | 15.21                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 24        | 15.23                 | 15.21                    | 15.23                  | 16.1                | 0        |  |  |
| 5               | 64QAM      | 12      | 0         | 15.11                 | 15.05                    | 15.13                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 7         | 15.00                 | 15.10                    | 15.08                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 13        | 14.95                 | 14.98                    | 15.07                  |                     |          |  |  |
| 5               | 64QAM      | 25      | 0         | 15.14                 | 15.14                    | 15.16                  |                     |          |  |  |
| Channel         |            |         |           | 131987                | 133222                   | 136987                 | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 1711.5                | 1745                     | 1775.5                 |                     |          |  |  |
| 3               | QPSK       | 1       | 0         | 15.16                 | 15.11                    | 15.14                  | 16.1                | 0        |  |  |
| 3               | QPSK       | 1       | 8         | 15.03                 | 15.09                    | 15.06                  |                     |          |  |  |
| 3               | QPSK       | 1       | 14        | 15.06                 | 15.13                    | 14.98                  |                     |          |  |  |
| 3               | QPSK       | 8       | 0         | 15.18                 | 15.07                    | 15.09                  |                     |          |  |  |
| 3               | QPSK       | 8       | 4         | 15.23                 | 15.13                    | 15.09                  | 16.1                | 0        |  |  |
| 3               | QPSK       | 8       | 7         | 15.05                 | 15.08                    | 15.08                  |                     |          |  |  |
| 3               | QPSK       | 15      | 0         | 15.17                 | 15.08                    | 15.14                  |                     |          |  |  |
| 3               | 16QAM      | 1       | 0         | 15.21                 | 15.22                    | 15.12                  |                     |          |  |  |
| 3               | 16QAM      | 1       | 8         | 15.16                 | 15.23                    | 15.11                  | 16.1                | 0        |  |  |
| 3               | 16QAM      | 1       | 14        | 15.23                 | 15.25                    | 15.20                  |                     |          |  |  |
| 3               | 16QAM      | 8       | 0         | 15.26                 | 15.10                    | 15.22                  |                     |          |  |  |
| 3               | 16QAM      | 8       | 4         | 15.21                 | 15.22                    | 15.22                  |                     |          |  |  |
| 3               | 16QAM      | 8       | 7         | 15.16                 | 15.10                    | 15.13                  | 16.1                | 0        |  |  |
| 3               | 16QAM      | 15      | 0         | 15.13                 | 15.13                    | 15.21                  |                     |          |  |  |
| 3               | 64QAM      | 1       | 0         | 15.12                 | 15.23                    | 15.12                  |                     |          |  |  |
| 3               | 64QAM      | 1       | 8         | 15.16                 | 15.22                    | 15.22                  |                     |          |  |  |
| 3               | 64QAM      | 1       | 14        | 15.20                 | 15.21                    | 15.13                  | 16.1                | 0        |  |  |
| 3               | 64QAM      | 8       | 0         | 15.22                 | 15.14                    | 15.13                  |                     |          |  |  |
| 3               | 64QAM      | 8       | 4         | 15.13                 | 15.13                    | 15.11                  |                     |          |  |  |
| 3               | 64QAM      | 8       | 7         | 15.12                 | 15.16                    | 15.02                  |                     |          |  |  |
| 3               | 64QAM      | 15      | 0         | 15.05                 | 15.32                    | 15.07                  |                     |          |  |  |
| Channel         |            |         |           | 131999                | 133222                   | 136995                 | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 1710.7                | 1745                     | 1773.3                 |                     |          |  |  |
| 1.4             | QPSK       | 1       | 0         | 15.04                 | 15.19                    | 14.93                  | 16.1                | 0        |  |  |
| 1.4             | QPSK       | 1       | 3         | 14.95                 | 15.05                    | 14.94                  |                     |          |  |  |
| 1.4             | QPSK       | 1       | 5         | 14.89                 | 15.01                    | 14.94                  |                     |          |  |  |
| 1.4             | QPSK       | 3       | 0         | 15.00                 | 15.02                    | 15.01                  |                     |          |  |  |
| 1.4             | QPSK       | 3       | 1         | 14.97                 | 15.10                    | 14.96                  | 16.1                | 0        |  |  |
| 1.4             | QPSK       | 3       | 3         | 15.03                 | 15.02                    | 14.98                  |                     |          |  |  |
| 1.4             | QPSK       | 6       | 0         | 15.05                 | 15.09                    | 15.06                  |                     |          |  |  |
| 1.4             | 16QAM      | 1       | 0         | 15.21                 | 15.22                    | 15.21                  |                     |          |  |  |
| 1.4             | 16QAM      | 1       | 3         | 15.23                 | 15.23                    | 15.21                  | 16.1                | 0        |  |  |
| 1.4             | 16QAM      | 1       | 5         | 15.23                 | 15.23                    | 15.21                  |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 0         | 15.00                 | 15.04                    | 15.19                  |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 1         | 15.04                 | 15.31                    | 15.08                  | 16.1                | 0        |  |  |
| 1.4             | 16QAM      | 3       | 3         | 14.87                 | 15.16                    | 14.99                  |                     |          |  |  |
| 1.4             | 16QAM      | 6       | 0         | 15.10                 | 15.14                    | 15.34                  |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 0         | 15.26                 | 15.37                    | 15.41                  | 16.1                | 0        |  |  |
| 1.4             | 64QAM      | 1       | 3         | 15.22                 | 15.32                    | 15.19                  |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 5         | 15.21                 | 15.13                    | 15.21                  |                     |          |  |  |
| 1.4             | 64QAM      | 3       | 0         | 15.29                 | 15.30                    | 15.18                  | 16.1                | 0        |  |  |
| 1.4             | 64QAM      | 3       | 1         | 15.22                 | 15.37                    | 15.26                  |                     |          |  |  |
| 1.4             | 64QAM      | 3       | 3         | 15.21                 | 15.21                    | 15.41                  |                     |          |  |  |



LAT-Reduced Power - DSI 6 for Handheld

| Band            |                    | WCDMA # |       | Tune-up<br>Limit<br>(dBm) |
|-----------------|--------------------|---------|-------|---------------------------|
| TX Channel      |                    | 9262    | 9400  |                           |
| Rx Channel      |                    | 9662    | 9800  | 9938                      |
| Frequency (MHz) |                    | 1862.4  | 1880  | 1907.6                    |
| 3GPP Rel 99     | AMR 12.2Kbps       | 19.16   | 19.22 | 19.10                     |
| 3GPP Rel 99     | AMR 12.2Kbps       | 19.18   | 19.23 | 19.12                     |
| 3GPP Rel 6      | HSDPA Subtest-1    | 18.21   | 18.31 | 18.18                     |
| 3GPP Rel 6      | HSDPA Subtest-2    | 18.09   | 18.13 | 18.06                     |
| 3GPP Rel 6      | HSDPA Subtest-3    | 17.58   | 17.52 | 17.56                     |
| 3GPP Rel 6      | HSDPA Subtest-4    | 17.34   | 17.57 | 17.59                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-1 | 18.20   | 18.30 | 18.15                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-2 | 18.11   | 18.11 | 18.02                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-3 | 17.59   | 17.55 | 17.51                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-4 | 17.31   | 17.53 | 17.55                     |
| 3GPP Rel 6      | HSUPA Subtest-1    | 18.36   | 18.30 | 18.11                     |
| 3GPP Rel 6      | HSUPA Subtest-2    | 16.74   | 16.73 | 16.58                     |
| 3GPP Rel 6      | HSUPA Subtest-3    | 17.65   | 17.56 | 17.71                     |
| 3GPP Rel 6      | HSUPA Subtest-4    | 16.75   | 16.57 | 16.56                     |
| 3GPP Rel 6      | HSUPA Subtest-5    | 16.12   | 16.36 | 16.15                     |

| Band 2 (1900MHz Band)<br>Part 24E |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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)                   |            |         |           |                       |                          |                        |                     |          |  |
| 20                                | QPSK       | 1       | 0         | 19.34                 | 19.40                    | 19.32                  |                     |          |  |
| 20                                | QPSK       | 1       | 49        | 19.23                 | 19.02                    | 19.12                  | 20.3                | 0        |  |
| 20                                | QPSK       | 1       | 99        | 19.30                 | 18.93                    | 19.11                  |                     |          |  |
| 20                                | QPSK       | 50      | 0         | 19.02                 | 19.22                    | 19.03                  |                     |          |  |
| 20                                | QPSK       | 50      | 24        | 19.02                 | 19.09                    | 19.20                  | 20.3                | 0        |  |
| 20                                | QPSK       | 50      | 50        | 19.01                 | 19.14                    | 19.15                  |                     |          |  |
| 20                                | QPSK       | 100     | 0         | 19.02                 | 19.10                    | 19.09                  |                     |          |  |
| 20                                | 16QAM      | 1       | 0         | 19.36                 | 19.12                    | 19.32                  |                     |          |  |
| 20                                | 16QAM      | 1       | 49        | 19.32                 | 19.35                    | 19.29                  | 20.3                | 0        |  |
| 20                                | 16QAM      | 1       | 99        | 19.24                 | 19.31                    | 19.28                  |                     |          |  |
| 20                                | 16QAM      | 50      | 0         | 18.95                 | 19.03                    | 19.04                  |                     |          |  |
| 20                                | 16QAM      | 50      | 24        | 19.08                 | 19.20                    | 19.18                  | 20.3                | 0        |  |
| 20                                | 16QAM      | 50      | 50        | 19.04                 | 19.08                    | 19.18                  |                     |          |  |
| 20                                | 16QAM      | 100     | 0         | 19.05                 | 19.01                    | 19.04                  |                     |          |  |
| 20                                | 64QAM      | 1       | 0         | 19.32                 | 19.32                    | 19.21                  |                     |          |  |
| 20                                | 64QAM      | 1       | 49        | 19.12                 | 19.11                    | 19.15                  | 20.3                | 0        |  |
| 20                                | 64QAM      | 1       | 99        | 19.30                 | 19.21                    | 19.02                  |                     |          |  |
| 20                                | 64QAM      | 50      | 0         | 19.21                 | 19.01                    | 19.02                  |                     |          |  |
| 20                                | 64QAM      | 50      | 24        | 19.12                 | 19.10                    | 19.19                  | 20.3                | 0        |  |
| 20                                | 64QAM      | 50      | 50        | 19.01                 | 19.11                    | 19.14                  |                     |          |  |
| 20                                | 64QAM      | 100     | 0         | 19.05                 | 19.25                    | 19.06                  |                     |          |  |
| Channel                           |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)                   |            |         |           |                       |                          |                        |                     |          |  |
| 15                                | QPSK       | 1       | 0         | 18.91                 | 19.05                    | 19.09                  |                     |          |  |
| 15                                | QPSK       | 1       | 37        | 18.95                 | 18.87                    | 19.05                  | 20.3                | 0        |  |
| 15                                | QPSK       | 1       | 74        | 18.96                 | 18.99                    | 19.05                  |                     |          |  |
| 15                                | QPSK       | 36      | 0         | 19.00                 | 19.06                    | 19.06                  |                     |          |  |
| 15                                | QPSK       | 36      | 20        | 19.13                 | 19.11                    | 19.19                  | 20.3                | 0        |  |
| 15                                | QPSK       | 36      | 39        | 19.09                 | 19.17                    | 19.16                  |                     |          |  |
| 15                                | QPSK       | 75      | 0         | 19.08                 | 19.06                    | 19.09                  |                     |          |  |
| 15                                | 16QAM      | 1       | 0         | 19.22                 | 19.11                    | 19.36                  |                     |          |  |
| 15                                | 16QAM      | 1       | 37        | 19.26                 | 19.35                    | 19.34                  | 20.3                | 0        |  |
| 15                                | 16QAM      | 1       | 74        | 19.20                 | 19.31                    | 19.24                  |                     |          |  |
| 15                                | 16QAM      | 36      | 0         | 19.07                 | 19.04                    | 19.05                  |                     |          |  |
| 15                                | 16QAM      | 36      | 20        | 19.11                 | 19.11                    | 19.20                  | 20.3                | 0        |  |
| 15                                | 16QAM      | 36      | 39        | 19.06                 | 19.17                    | 19.16                  |                     |          |  |
| 15                                | 16QAM      | 75      | 0         | 19.10                 | 19.10                    | 19.31                  |                     |          |  |
| 15                                | 64QAM      | 1       | 0         | 18.99                 | 19.36                    | 19.34                  |                     |          |  |
| 15                                | 64QAM      | 1       | 37        | 19.04                 | 19.33                    | 19.31                  | 20.3                | 0        |  |
| 15                                | 64QAM      | 1       | 74        | 18.90                 | 19.25                    | 19.23                  |                     |          |  |
| 15                                | 64QAM      | 36      | 0         | 18.98                 | 19.32                    | 19.21                  |                     |          |  |
| 15                                | 64QAM      | 36      | 20        | 19.07                 | 19.10                    | 19.25                  | 20.3                | 0        |  |
| 15                                | 64QAM      | 36      | 39        | 19.21                 | 19.15                    | 19.21                  |                     |          |  |
| 15                                | 64QAM      | 75      | 0         | 19.25                 | 19.02                    | 19.02                  |                     |          |  |
| Channel                           |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)                   |            |         |           |                       |                          |                        |                     |          |  |
| 10                                | QPSK       | 1       | 0         | 19.10                 | 19.06                    | 19.01                  |                     |          |  |
| 10                                | QPSK       | 1       | 25        | 19.06                 | 18.64                    | 18.79                  | 20.3                | 0        |  |
| 10                                | QPSK       | 1       | 49        | 19.12                 | 19.09                    | 19.05                  |                     |          |  |
| 10                                | QPSK       | 25      | 0         | 19.27                 | 19.24                    | 19.14                  |                     |          |  |
| 10                                | QPSK       | 25      | 12        | 19.05                 | 19.10                    | 19.10                  | 20.3                | 0        |  |
| 10                                | QPSK       | 25      | 25        | 19.19                 | 19.06                    | 19.10                  |                     |          |  |
| 10                                | QPSK       | 50      | 0         | 19.07                 | 19.23                    | 19.18                  |                     |          |  |
| 10                                | 16QAM      | 1       | 0         | 19.29                 | 19.12                    | 19.13                  |                     |          |  |
| 10                                | 16QAM      | 1       | 25        | 19.14                 | 18.98                    | 19.03                  | 20.3                | 0        |  |
| 10                                | 16QAM      | 1       | 49        | 19.11                 | 19.10                    | 19.12                  |                     |          |  |
| 10                                | 16QAM      | 25      | 0         | 19.21                 | 19.06                    | 19.07                  |                     |          |  |
| 10                                | 16QAM      | 25      | 12        | 18.90                 | 18.99                    | 19.02                  | 20.3                | 0        |  |
| 10                                | 16QAM      | 25      | 25        | 19.05                 | 18.96                    | 19.09                  |                     |          |  |
| 10                                | 16QAM      | 50      | 0         | 19.03                 | 19.02                    | 19.19                  |                     |          |  |
| 10                                | 64QAM      | 1       | 0         | 19.22                 | 19.15                    | 19.23                  |                     |          |  |
| 10                                | 64QAM      | 1       | 25        | 19.96                 | 19.04                    | 19.13                  | 20.3                | 0        |  |
| 10                                | 64QAM      | 1       | 49        | 19.10                 | 19.07                    | 19.06                  |                     |          |  |
| 10                                | 64QAM      | 25      | 0         | 19.19                 | 19.14                    | 19.13                  |                     |          |  |
| 10                                | 64QAM      | 25      | 12        | 18.98                 | 19.09                    | 19.05                  | 20.3                | 0        |  |
| 10                                | 64QAM      | 25      | 25        | 19.11                 | 19.07                    | 19.04                  |                     |          |  |
| 10                                | 64QAM      | 50      | 0         | 18.60                 | 18.70                    | 18.89                  |                     |          |  |
| Channel                           |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)                   |            |         |           |                       |                          |                        |                     |          |  |
| 5                                 | QPSK       | 1       | 0         | 19.08                 | 19.21                    | 19.23                  |                     |          |  |
| 5                                 | QPSK       | 1       | 12        | 19.23                 | 19.19                    | 19.18                  | 20.3                | 0        |  |
| 5                                 | QPSK       | 1       | 24        | 18.83                 | 18.92                    | 19.24                  |                     |          |  |
| 5                                 | QPSK       | 12      | 0         | 19.19                 | 19.27                    | 19.16                  |                     |          |  |
| 5                                 | QPSK       | 12      | 7         | 19.11                 | 19.17                    | 19.28                  | 20.3                | 0        |  |
| 5                                 | QPSK       | 12      | 13        | 19.15                 | 19.11                    | 19.29                  |                     |          |  |
| 5                                 | QPSK       | 25      | 0         | 19.08                 | 19.17                    | 19.26                  |                     |          |  |
| 5                                 | 16QAM      | 1       | 0         | 18.99                 | 19.29                    | 19.22                  |                     |          |  |
| 5                                 | 16QAM      | 1       | 12        | 19.19                 | 19.23                    | 19.25                  | 20.3                | 0        |  |
| 5                                 | 16QAM      | 1       | 24        | 19.13                 | 19.18                    | 19.18                  |                     |          |  |
| 5                                 | 16QAM      | 12      | 0         | 19.18                 | 19.30                    | 19.30                  |                     |          |  |
| 5                                 | 16QAM      | 12      | 7         | 19.19                 | 19.25                    | 19.25                  |                     |          |  |
| 5                                 | 16QAM      | 12      | 13        | 19.22                 | 19.13                    | 19.13                  | 20.3                | 0        |  |
| 5                                 | 16QAM      | 25      | 0         | 19.13                 | 19.21                    | 19.19                  |                     |          |  |
| 5                                 | 64QAM      | 1       | 0         | 19.15                 | 19.19                    | 19.21                  |                     |          |  |
| 5                                 | 64QAM      | 1       | 12        | 19.11                 | 19.92                    | 19.19                  | 20.3                | 0        |  |
| 5                                 | 64QAM      | 1       | 24        | 19.35                 | 19.27                    | 18.92                  |                     |          |  |
| 5                                 | 64QAM      | 12      | 0         | 19.23                 | 19.17                    | 19.27                  |                     |          |  |
| 5                                 | 64QAM      | 12      | 7         | 19.14                 | 19.11                    | 19.17                  | 20.3                | 0        |  |
| 5                                 | 64QAM      | 12      | 13        | 19.12                 | 19.17                    | 19.11                  |                     |          |  |
| 5                                 | 64QAM      | 25      | 0         | 19.25                 | 19.17                    | 19.17                  |                     |          |  |
| Channel                           |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)                   |            |         |           |                       |                          |                        |                     |          |  |
| 3                                 | QPSK       | 1       | 0         | 19.03                 | 19.14                    | 19.19                  |                     |          |  |
| 3                                 | QPSK       | 1       | 8         | 18.95                 | 19.08                    | 19.00                  | 20.3                | 0        |  |
| 3                                 | QPSK       | 1       | 14        | 19.18                 | 19.21                    | 19.33                  |                     |          |  |
| 3                                 | QPSK       | 8       | 0         | 19.13                 | 19.33                    | 19.20                  |                     |          |  |
| 3                                 | QPSK       | 8       | 4         | 19.05                 | 19.23                    | 19.13                  | 20.3                | 0        |  |
| 3                                 | QPSK       | 8       | 7         | 19.17                 | 19.22                    | 19.02                  |                     |          |  |
| 3                                 | QPSK       | 15      | 0         | 19.21                 | 19.36                    | 19.23                  |                     |          |  |
| 3                                 | 16QAM      | 1       | 0         | 19.23                 | 19.21                    | 19.22                  |                     |          |  |
| 3                                 | 16QAM      | 1       | 8         | 19.32                 | 19.34                    | 19.25                  | 20.3                | 0        |  |
| 3                                 | 16QAM      | 1       | 14        | 19.33                 | 19.25                    | 19.07                  |                     |          |  |
| 3                                 | 16QAM      | 8       | 0         | 19.36                 | 19.34                    | 19.07                  |                     |          |  |
| 3                                 | 16QAM      | 8       | 4         | 19.21                 | 19.35                    | 18.93                  | 20.3                | 0        |  |
| 3                                 | 16QAM      | 8       | 7         | 19.24                 | 19.31                    | 19.97                  |                     |          |  |
| 3                                 | 16QAM      | 15      | 0         | 19.03                 | 19.14                    | 18.97                  |                     |          |  |
| 3                                 | 64QAM      | 1       | 0         | 19.23                 | 19.26                    | 19.30                  |                     |          |  |
| 3                                 | 64QAM      | 1       | 8         | 19.08                 | 19.15                    | 18.83                  | 20.3                | 0        |  |
| 3                                 | 64QAM      | 1       | 14        | 19.20                 | 19.23                    | 19.21                  |                     |          |  |
| 3                                 | 64QAM      | 8       | 0         | 19.12                 | 19.22                    | 19.34                  |                     |          |  |
| 3                                 | 64QAM      | 8       | 4         | 19.06                 | 19.14                    | 19.24                  | 20.3                | 0        |  |
| 3                                 | 64QAM      | 8       | 7         | 19.10                 | 19.20                    | 19.23                  |                     |          |  |
| 3                                 | 64QAM      | 15      | 0         | 19.12                 | 18.97                    | 19.14                  |                     |          |  |
| Channel                           |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)                   |            |         |           |                       |                          |                        |                     |          |  |
| 1.4                               | QPSK       | 1       | 0         | 19.10                 | 19.12                    | 19.20                  |                     |          |  |
| 1.4                               | QPSK       | 1       | 3         | 18.95                 | 19.12                    | 19.14                  | 20.3                | 0        |  |
| 1.4                               | QPSK       | 1       | 5         | 18.86                 | 19.01                    | 18.93                  |                     |          |  |
| 1.4                               | QPSK       | 3       | 0         | 19.08                 | 19.17                    | 19.20                  |                     |          |  |
| 1.4                               | QPSK       | 3       | 1         | 19.10                 | 19.16                    | 19.20                  |                     |          |  |
| 1.4                               | QPSK       | 3       | 3         | 19.02                 | 19.09                    | 19.11                  |                     |          |  |
| 1.4                               | QPSK       | 6       | 0         | 19.03                 | 19.15                    | 19.10                  | 20.3                | 0        |  |
| 1.4                               | 16QAM      | 1       | 0         | 19.33                 | 19.29                    | 19.22                  |                     |          |  |
| 1.4                               | 16QAM      | 1       | 3         | 19.16                 | 19.21                    | 19.22                  |                     |          |  |
| 1.4                               | 16QAM      | 1       | 5         | 19.05                 | 19.22                    | 19.20                  | 20.3                | 0        |  |
| 1.4                               | 16QAM      | 3       | 0         | 19.27                 | 19.26                    | 19.12                  |                     |          |  |
| 1.4                               | 16QAM      | 3       | 1         | 19.21                 | 19.32                    | 19.21                  |                     |          |  |
| 1.4                               | 16QAM      | 3       | 3         | 19.16                 | 19.18                    | 19.21                  |                     |          |  |
| 1.4                               | 16QAM      | 6       | 0         | 19.23                 | 19.33                    | 19.34                  | 20.3                | 0        |  |
| 1.4                               | 64QAM      | 1       | 0         | 19.01                 | 19.18                    | 18.84                  |                     |          |  |
| 1.4                               | 64QAM      | 1       | 3         | 18.95                 | 19.32                    | 19.33                  |                     |          |  |
| 1.4                               | 64QAM      | 1       | 5         | 19.08                 | 19.13                    | 19.91                  | 20.3                | 0        |  |
| 1.4                               | 64QAM      | 3       | 0         | 19.04                 | 19.06                    | 19.04                  |                     |          |  |
| 1.4                               | 64QAM      | 3       | 1         | 18.98                 | 19.14                    | 19.17                  |                     |          |  |
| 1.4                               | 64QAM      | 3       | 3         | 19.02                 | 19.05                    | 19.06                  |                     |          |  |
| 1.4                               | 64QAM      | 6       | 0         | 19.01                 | 19.10                    | 19.08                  | 20.3                | 0        |  |

| Band 4 (AWS Band)<br>Part 27L (only on channel required) |            |         |           |                     |                        |                      |                     |          |  |
|----------------------------------------------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|
| BW (MHz)                                                 | Modulation | RB Size | RB Offset | Power Low Ch. (dBm) | Power Middle Ch. (dBm) | Power High Ch. (dBm) | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                                                  |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)                                          |            |         |           |                     |                        |                      |                     |          |  |
| 20                                                       | QPSK       | 1       | 0         | 19.24               | 19.30                  | 19.21                |                     |          |  |
| 20                                                       | QPSK       | 1       | 49        | 19.08               | 19.09                  | 18.96                | 20.5                | 0        |  |
| 20                                                       | QPSK       | 1       | 99        | 19.12               | 19.11                  | 19.24                |                     |          |  |
| 20                                                       | QPSK       | 50      | 0         | 19.09               | 19.22                  | 19.08                |                     |          |  |
| 20                                                       | QPSK       | 50      | 24        | 19.21               | 19.14                  | 19.12                | 20.5                | 0        |  |
| 20                                                       | QPSK       | 50      | 50        | 19.11               | 19.10                  | 19.05                |                     |          |  |
| 20                                                       | QPSK       | 100     | 0         | 19.12               | 19.13                  | 19.05                |                     |          |  |
| 20                                                       | 16QAM      | 1       | 0         | 19.36               | 19.26                  | 19.26                |                     |          |  |
| 20                                                       | 16QAM      | 1       | 49        | 19.12               | 19.21                  | 19.21                | 20.5                | 0        |  |
| 20                                                       | 16QAM      | 1       | 99        | 19.12               | 19.12                  | 19.13                |                     |          |  |
| 20                                                       | 16QAM      | 50      | 0         | 19.13               | 19.10                  | 19.10                |                     |          |  |
| 20                                                       | 16QAM      | 50      | 24        | 19.23               | 19.16                  | 19.15                | 20.5                | 0        |  |
| 20                                                       | 16QAM      | 50      | 50        | 19.11               | 19.10                  | 19.01                |                     |          |  |
| 20                                                       | 16QAM      | 100     | 0         | 19.14               | 19.05                  | 19.08                |                     |          |  |
| 20                                                       | 64QAM      | 1       | 0         | 19.18               | 19.13                  | 19.06                |                     |          |  |
| 20                                                       | 64QAM      | 1       | 49        | 19.02               | 19.22                  | 18.92                | 20.5                | 0        |  |
| 20                                                       | 64QAM      | 1       | 99        | 19.01               | 19.01                  | 19.08                |                     |          |  |
| 20                                                       | 64QAM      | 50      | 0         | 19.08               | 19.09                  | 19.08                |                     |          |  |
| 20                                                       | 64QAM      | 50      | 24        | 19.23               | 19.14                  | 19.06                | 20.5                | 0        |  |
| 20                                                       | 64QAM      | 50      | 50        | 19.11               | 19.11                  | 19.01                |                     |          |  |
| 20                                                       | 64QAM      | 100     | 0         | 19.14               | 19.03                  | 19.05                |                     |          |  |
| Channel                                                  |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)                                          |            |         |           |                     |                        |                      |                     |          |  |
| 15                                                       | QPSK       | 1       | 0         | 19.02               | 18.97                  | 19.05                |                     |          |  |
| 15                                                       | QPSK       | 1       | 37        | 18.95               | 19.05                  | 19.04                | 20.5                | 0        |  |
| 15                                                       | QPSK       | 1       | 74        | 18.89               | 18.94                  | 18.89                |                     |          |  |
| 15                                                       | QPSK       | 36      | 0         | 19.06               | 19.09                  | 19.09                |                     |          |  |
| 15                                                       | QPSK       | 36      | 20        | 19.20               | 19.15                  | 19.23                | 20.5                | 0        |  |
| 15                                                       | QPSK       | 36      | 39        | 19.15               | 19.14                  | 19.13                |                     |          |  |
| 15                                                       | QPSK       | 75      | 0         | 19.14               | 19.05                  | 19.08                |                     |          |  |
| 15                                                       | 16QAM      | 1       | 0         | 19.23               | 19.31                  | 19.31                |                     |          |  |
| 15                                                       | 16QAM      | 1       | 37        | 19.21               | 19.23                  | 19.21                | 20.5                | 0        |  |
| 15                                                       | 16QAM      | 1       | 74        | 19.27               | 19.24                  | 19.24                |                     |          |  |
| 15                                                       | 16QAM      | 36      | 0         | 19.07               | 19.11                  | 19.12                |                     |          |  |
| 15                                                       | 16QAM      | 36      | 20        | 19.21               | 19.14                  | 19.22                | 20.5                | 0        |  |
| 15                                                       | 16QAM      | 36      | 39        | 19.17               | 19.15                  | 19.17                |                     |          |  |
| 15                                                       | 16QAM      | 75      | 0         | 19.18               | 19.11                  | 19.16                |                     |          |  |
| 15                                                       | 64QAM      | 1       | 0         | 19.22               | 19.30                  | 19.30                | 20.5                | 0        |  |
| 15                                                       | 64QAM      | 1       | 37        | 19.22               | 19.33                  | 19.30                |                     |          |  |
| 15                                                       | 64QAM      | 1       | 74        | 19.15               | 19.21                  | 19.21                |                     |          |  |
| 15                                                       | 64QAM      | 36      | 0         | 19.11               | 19.32                  | 19.09                | 20.5                | 0        |  |
| 15                                                       | 64QAM      | 36      | 20        | 19.20               | 19.12                  | 19.25                |                     |          |  |
| 15                                                       | 64QAM      | 36      | 39        | 19.36               | 19.14                  | 19.14                |                     |          |  |
| 15                                                       | 64QAM      | 75      | 0         | 18.99               | 19.10                  | 19.10                |                     |          |  |
| Channel                                                  |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)                                          |            |         |           |                     |                        |                      |                     |          |  |
| 10                                                       | QPSK       | 1       | 0         | 19.23               | 19.12                  | 19.14                |                     |          |  |
| 10                                                       | QPSK       | 1       | 25        | 19.17               | 19.17                  | 19.17                | 20.5                | 0        |  |
| 10                                                       | QPSK       | 1       | 49        | 19.13               | 19.17                  | 19.26                |                     |          |  |
| 10                                                       | QPSK       | 25      | 0         | 19.15               | 19.21                  | 19.14                |                     |          |  |
| 10                                                       | QPSK       | 25      | 12        | 19.11               | 19.26                  | 19.15                | 20.5                | 0        |  |
| 10                                                       | QPSK       | 25      | 25        | 19.08               | 19.12                  | 19.13                |                     |          |  |
| 10                                                       | QPSK       | 50      | 0         | 19.05               | 19.18                  | 19.05                |                     |          |  |
| 10                                                       | 16QAM      | 1       | 0         | 19.27               | 19.24                  | 19.23                |                     |          |  |
| 10                                                       | 16QAM      | 1       | 25        | 19.23               | 19.23                  | 19.23                | 20.5                | 0        |  |
| 10                                                       | 16QAM      | 1       | 49        | 19.19               | 19.26                  | 19.22                |                     |          |  |
| 10                                                       | 16QAM      | 25      | 0         | 19.18               | 19.11                  | 19.26                |                     |          |  |
| 10                                                       | 16QAM      | 25      | 12        | 19.30               | 19.15                  | 19.23                | 20.5                | 0        |  |
| 10                                                       | 16QAM      | 25      | 25        | 19.19               | 19.08                  | 19.15                |                     |          |  |
| 10                                                       | 16QAM      | 50      | 0         | 19.07               | 19.09                  | 19.08                |                     |          |  |
| 10                                                       | 64QAM      | 1       | 0         | 19.22               | 19.19                  | 19.29                |                     |          |  |
| 10                                                       | 64QAM      | 1       | 25        | 19.23               | 19.23                  | 19.23                | 20.5                | 0        |  |
| 10                                                       | 64QAM      | 1       | 49        | 19.23               | 19.18                  | 19.21                |                     |          |  |
| 10                                                       | 64QAM      | 25      | 0         | 19.27               | 19.09                  | 19.12                | 20.5                | 0        |  |
| 10                                                       | 64QAM      | 25      | 12        | 19.29               | 19.25                  | 19.30                |                     |          |  |
| 10                                                       | 64QAM      | 25      | 25        | 19.11               | 19.18                  | 19.18                |                     |          |  |
| 10                                                       | 64QAM      | 50      | 0         | 19.13               | 19.07                  | 19.13                |                     |          |  |
| Channel                                                  |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)                                          |            |         |           |                     |                        |                      |                     |          |  |
| 5                                                        | QPSK       | 1       | 0         | 19.08               | 18.96                  | 19.05                |                     |          |  |
| 5                                                        | QPSK       | 1       | 12        | 19.23               | 19.09                  | 19.07                | 20.5                | 0        |  |
| 5                                                        | QPSK       | 1       | 24        | 18.83               | 18.98                  | 18.87                |                     |          |  |
| 5                                                        | QPSK       | 12      | 0         | 19.16               | 19.14                  | 19.14                |                     |          |  |
| 5                                                        | QPSK       | 12      | 7         | 19.23               | 19.24                  | 19.20                | 20.5                | 0        |  |
| 5                                                        | QPSK       | 12      | 13        | 19.38               | 19.20                  | 19.13                |                     |          |  |
| 5                                                        | QPSK       | 25      | 0         | 19.36               | 19.14                  | 19.19                |                     |          |  |
| 5                                                        | 16QAM      | 1       | 0         | 19.26               | 19.29                  | 19.34                |                     |          |  |
| 5                                                        | 16QAM      | 1       | 12        | 19.31               | 19.23                  | 19.18                | 20.5                | 0        |  |
| 5                                                        | 16QAM      | 1       | 24        | 18.99               | 19.28                  | 19.16                |                     |          |  |
| 5                                                        | 16QAM      | 12      | 0         | 19.13               | 19.20                  | 19.30                |                     |          |  |
| 5                                                        | 16QAM      | 12      | 7         | 19.07               | 19.19                  | 19.25                | 20.5                | 0        |  |
| 5                                                        | 16QAM      | 12      | 13        | 19.07               | 19.19                  | 19.11                |                     |          |  |
| 5                                                        | 16QAM      | 25      | 0         | 18.88               | 19.14                  | 19.19                |                     |          |  |
| 5                                                        | 64QAM      | 1       | 0         | 18.91               | 19.23                  | 19.21                |                     |          |  |
| 5                                                        | 64QAM      | 1       | 12        | 18.99               | 19.13                  | 19.19                | 20.5                | 0        |  |
| 5                                                        | 64QAM      | 1       | 24        | 18.84               | 19.23                  | 18.92                |                     |          |  |
| 5                                                        | 64QAM      | 12      | 0         | 18.92               | 19.08                  | 19.27                |                     |          |  |
| 5                                                        | 64QAM      | 12      | 7         | 19.05               | 19.16                  | 19.17                | 20.5                | 0        |  |
| 5                                                        | 64QAM      | 12      | 13        | 19.13               | 19.14                  | 19.11                |                     |          |  |
| 5                                                        | 64QAM      | 25      | 0         | 19.07               | 19.09                  | 19.17                |                     |          |  |
| Channel                                                  |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)                                          |            |         |           |                     |                        |                      |                     |          |  |
| 3                                                        | QPSK       | 1       | 0         | 19.115              | 19.255                 | 19.535               |                     |          |  |
| 3                                                        | QPSK       | 1       | 8         | 19.19               | 19.17                  | 19.11                | 20.5                | 0        |  |
| 3                                                        | QPSK       | 1       | 16        | 19.01               | 19.03                  | 19.17                |                     |          |  |
| 3                                                        | QPSK       | 8       | 0         | 19.30               | 19.28                  | 19.28                |                     |          |  |
| 3                                                        | QPSK       | 8       | 4         | 19.24               | 19.35                  | 19.29                | 20.5                | 0        |  |
| 3                                                        | QPSK       | 8       | 7         | 19.27               | 19.23                  | 19.26                |                     |          |  |
| 3                                                        | QPSK       | 15      | 0         | 19.26               | 19.32                  | 19.27                |                     |          |  |
| 3                                                        | 16QAM      | 1       | 0         | 19.33               | 19.21                  | 19.30                |                     |          |  |
| 3                                                        | 16QAM      | 1       | 8         | 19.21               | 19.12                  | 19.23                | 20.5                | 0        |  |
| 3                                                        | 16QAM      | 1       | 16        | 19.21               | 19.27                  | 19.22                |                     |          |  |
| 3                                                        | 16QAM      | 8       | 0         | 19.37               | 19.33                  | 19.31                |                     |          |  |
| 3                                                        | 16QAM      | 8       | 4         | 19.30               | 19.38                  | 19.27                | 20.5                | 0        |  |
| 3                                                        | 16QAM      | 8       | 7         | 19.34               | 19.29                  | 19.31                |                     |          |  |
| 3                                                        | 16QAM      | 15      | 0         | 19.27               | 19.20                  | 19.27                |                     |          |  |
| 3                                                        | 64QAM      | 1       | 0         | 19.22               | 19.32                  | 19.32                | 20.5                | 0        |  |
| 3                                                        | 64QAM      | 1       | 8         | 19.33               | 19.23                  | 19.23                |                     |          |  |
| 3                                                        | 64QAM      | 1       | 16        | 19.35               | 19.18                  | 19.38                |                     |          |  |
| 3                                                        | 64QAM      | 8       | 0         | 19.31               | 19.24                  | 19.30                |                     |          |  |
| 3                                                        | 64QAM      | 8       | 4         | 19.27               | 19.26                  | 19.28                | 20.5                | 0        |  |
| 3                                                        | 64QAM      | 8       | 7         | 19.19               | 19.23                  | 19.25                |                     |          |  |
| 3                                                        | 64QAM      | 15      | 0         | 19.31               | 19.20                  | 19.21                |                     |          |  |
| Channel                                                  |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)                                          |            |         |           |                     |                        |                      |                     |          |  |
| 1.4                                                      | QPSK       | 1       | 0         | 18.84               | 19.01                  | 19.13                |                     |          |  |
| 1.4                                                      | QPSK       | 1       | 3         | 19.08               | 19.08                  | 19.11                | 20.5                | 0        |  |
| 1.4                                                      | QPSK       | 1       | 5         | 18.90               | 19.01                  | 19.04                |                     |          |  |
| 1.4                                                      | QPSK       | 3       | 0         | 19.10               | 19.05                  | 19.08                |                     |          |  |
| 1.4                                                      | QPSK       | 3       | 1         | 19.17               | 19.19                  | 19.01                |                     |          |  |
| 1.4                                                      | QPSK       | 3       | 3         | 19.10               | 19.04                  | 19.05                |                     |          |  |
| 1.4                                                      | QPSK       | 6       | 0         | 19.17               | 19.14                  | 19.16                | 20.5                | 0        |  |
| 1.4                                                      | 16QAM      | 1       | 0         | 19.23               | 19.23                  | 19.21                |                     |          |  |
| 1.4                                                      | 16QAM      | 1       | 3         | 19.22               | 19.29                  | 19.12                |                     |          |  |
| 1.4                                                      | 16QAM      | 1       | 5         | 19.30               | 19.21                  | 19.12                | 20.5                | 0        |  |
| 1.4                                                      | 16QAM      | 3       | 0         | 19.22               | 19.26                  | 19.13                |                     |          |  |
| 1.4                                                      | 16QAM      | 3       | 1         | 19.38               | 19.24                  | 19.10                |                     |          |  |
| 1.4                                                      | 16QAM      | 3       | 3         | 19.08               | 19.19                  | 19.06                |                     |          |  |
| 1.4                                                      | 16QAM      | 6       | 0         | 19.31               | 19.24                  | 19.29                | 20.5                | 0        |  |
| 1.4                                                      | 64QAM      | 1       | 0         | 19.23               | 19.13                  | 19.90                |                     |          |  |
| 1.4                                                      | 64QAM      | 1       | 3         | 19.16               | 19.09                  | 19.84                |                     |          |  |
| 1.4                                                      | 64QAM      | 1       | 5         | 19.21               | 19.17                  | 19.75                | 20.5                | 0        |  |
| 1.4                                                      | 64QAM      | 3       | 0         | 19.08               | 19.09                  | 19.76                |                     |          |  |
| 1.4                                                      | 64QAM      | 3       | 1         | 19.05               | 19.12                  | 19.03                |                     |          |  |
| 1.4                                                      | 64QAM      | 3       | 3         | 19.25               | 19.08                  | 19.93                |                     |          |  |
| 1.4                                                      | 64QAM      | 6       | 0         | 19.08               | 19.12                  | 19.02                | 20.5                | 0        |  |

| Band 7 (2600MHz Band)<br>Part 27 |            |         |           |                     |                        |                      |                     |          |  |
|----------------------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|
| 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                          |            |         |           | 20850               | 21100                  | 21350                |                     |          |  |
| Frequency (MHz)                  |            |         |           | 2510                | 2535                   | 2560                 |                     |          |  |
| 20                               | QPSK       | 1       | 0         | 18.12               | 18.19                  | 18.11                | 19.5                | 0        |  |
| 20                               | QPSK       | 1       | 49        | 17.83               | 17.94                  | 17.78                |                     |          |  |
| 20                               | QPSK       | 1       | 99        | 17.75               | 17.89                  | 17.82                |                     |          |  |
| 20                               | QPSK       | 50      | 0         | 17.99               | 18.02                  | 18.00                | 19.5                | 0        |  |
| 20                               | QPSK       | 50      | 24        | 17.89               | 17.98                  | 17.90                |                     |          |  |
| 20                               | QPSK       | 50      | 50        | 17.91               | 17.98                  | 17.78                |                     |          |  |
| 20                               | QPSK       | 100     | 0         | 17.88               | 17.92                  | 17.77                | 19.5                | 0        |  |
| 20                               | 16QAM      | 1       | 0         | 18.11               | 17.98                  | 18.16                |                     |          |  |
| 20                               | 16QAM      | 1       | 49        | 17.99               | 17.98                  | 17.88                |                     |          |  |
| 20                               | 16QAM      | 1       | 99        | 17.98               | 17.98                  | 17.98                | 19.5                | 0        |  |
| 20                               | 16QAM      | 50      | 0         | 17.82               | 17.86                  | 17.83                |                     |          |  |
| 20                               | 16QAM      | 50      | 24        | 17.90               | 17.96                  | 17.87                |                     |          |  |
| 20                               | 16QAM      | 50      | 50        | 17.95               | 17.96                  | 17.79                | 19.5                | 0        |  |
| 20                               | 16QAM      | 100     | 0         | 17.83               | 17.88                  | 17.75                |                     |          |  |
| 20                               | 64QAM      | 1       | 0         | 17.94               | 17.99                  | 18.10                | 19.5                | 0        |  |
| 20                               | 64QAM      | 1       | 49        | 18.02               | 17.99                  | 18.04                |                     |          |  |
| 20                               | 64QAM      | 1       | 99        | 17.98               | 18.14                  | 17.93                |                     |          |  |
| 20                               | 64QAM      | 50      | 0         | 17.79               | 17.84                  | 17.82                | 19.5                | 0        |  |
| 20                               | 64QAM      | 50      | 24        | 17.93               | 17.92                  | 17.85                |                     |          |  |
| 20                               | 64QAM      | 50      | 50        | 17.96               | 17.96                  | 17.77                |                     |          |  |
| 20                               | 64QAM      | 100     | 0         | 17.82               | 17.82                  | 17.71                | 19.5                | 0        |  |
| Channel                          |            |         |           | 20825               | 21100                  | 21375                |                     |          |  |
| Frequency (MHz)                  |            |         |           | 2507.5              | 2535                   | 2562.5               | Tune-up limit (dBm) |          |  |
| 15                               | QPSK       | 1       | 0         | 17.72               | 17.87                  | 17.66                | 19.5                | 0        |  |
| 15                               | QPSK       | 1       | 37        | 17.78               | 17.94                  | 17.76                |                     |          |  |
| 15                               | QPSK       | 1       | 74        | 17.82               | 17.94                  | 17.78                |                     |          |  |
| 15                               | QPSK       | 36      | 0         | 17.88               | 17.94                  | 17.85                | 19.5                | 0        |  |
| 15                               | QPSK       | 36      | 20        | 17.89               | 18.01                  | 17.87                |                     |          |  |
| 15                               | QPSK       | 36      | 39        | 17.89               | 17.97                  | 17.84                |                     |          |  |
| 15                               | QPSK       | 75      | 0         | 17.88               | 17.92                  | 17.79                | 19.5                | 0        |  |
| 15                               | 16QAM      | 1       | 0         | 17.99               | 17.88                  | 18.12                |                     |          |  |
| 15                               | 16QAM      | 1       | 37        | 18.10               | 18.10                  | 18.03                |                     |          |  |
| 15                               | 16QAM      | 1       | 74        | 18.12               | 17.89                  | 18.12                | 19.5                | 0        |  |
| 15                               | 16QAM      | 36      | 0         | 17.95               | 17.87                  | 17.84                |                     |          |  |
| 15                               | 16QAM      | 36      | 20        | 17.95               | 17.83                  | 17.88                |                     |          |  |
| 15                               | 16QAM      | 36      | 39        | 17.96               | 18.01                  | 17.84                | 19.5                | 0        |  |
| 15                               | 16QAM      | 75      | 0         | 17.83               | 17.83                  | 17.83                |                     |          |  |
| 15                               | 64QAM      | 1       | 0         | 17.94               | 18.06                  | 18.00                | 19.5                | 0        |  |
| 15                               | 64QAM      | 1       | 37        | 18.16               | 18.10                  | 17.96                |                     |          |  |
| 15                               | 64QAM      | 1       | 74        | 17.89               | 17.81                  | 17.95                |                     |          |  |
| 15                               | 64QAM      | 36      | 0         | 17.94               | 17.97                  | 17.85                | 19.5                | 0        |  |
| 15                               | 64QAM      | 36      | 20        | 17.98               | 17.83                  | 17.91                |                     |          |  |
| 15                               | 64QAM      | 36      | 39        | 17.91               | 17.89                  | 17.83                |                     |          |  |
| 15                               | 64QAM      | 75      | 0         | 17.91               | 17.86                  | 17.79                | 19.5                | 0        |  |
| Channel                          |            |         |           | 20800               | 21100                  | 21400                |                     |          |  |
| Frequency (MHz)                  |            |         |           | 2505                | 2535                   | 2565                 | Tune-up limit (dBm) |          |  |
| 10                               | QPSK       | 1       | 0         | 17.78               | 17.85                  | 17.67                | 19.5                | 0        |  |
| 10                               | QPSK       | 1       | 25        | 17.75               | 18.02                  | 17.85                |                     |          |  |
| 10                               | QPSK       | 1       | 49        | 17.80               | 17.89                  | 17.81                |                     |          |  |
| 10                               | QPSK       | 25      | 0         | 17.92               | 17.92                  | 17.85                | 19.5                | 0        |  |
| 10                               | QPSK       | 25      | 12        | 17.89               | 17.91                  | 17.80                |                     |          |  |
| 10                               | QPSK       | 25      | 25        | 17.81               | 17.83                  | 17.78                |                     |          |  |
| 10                               | QPSK       | 50      | 0         | 17.98               | 17.91                  | 17.99                | 19.5                | 0        |  |
| 10                               | 16QAM      | 1       | 0         | 17.89               | 18.12                  | 18.14                |                     |          |  |
| 10                               | 16QAM      | 1       | 25        | 18.10               | 17.89                  | 18.16                |                     |          |  |
| 10                               | 16QAM      | 1       | 49        | 17.78               | 17.83                  | 17.99                | 19.5                | 0        |  |
| 10                               | 16QAM      | 25      | 0         | 17.82               | 17.83                  | 17.81                |                     |          |  |
| 10                               | 16QAM      | 25      | 12        | 17.82               | 17.82                  | 17.75                |                     |          |  |
| 10                               | 16QAM      | 25      | 25        | 17.80               | 17.68                  | 17.71                | 19.5                | 0        |  |
| 10                               | 16QAM      | 50      | 0         | 17.89               | 17.98                  | 18.13                |                     |          |  |
| 10                               | 64QAM      | 1       | 0         | 18.16               | 17.99                  | 18.17                |                     |          |  |
| 10                               | 64QAM      | 1       | 25        | 17.98               | 17.98                  | 18.12                | 19.5                | 0        |  |
| 10                               | 64QAM      | 1       | 49        | 17.81               | 17.91                  | 17.74                |                     |          |  |
| 10                               | 64QAM      | 25      | 0         | 17.76               | 17.87                  | 17.83                |                     |          |  |
| 10                               | 64QAM      | 25      | 12        | 17.85               | 17.86                  | 17.75                | 19.5                | 0        |  |
| 10                               | 64QAM      | 25      | 25        | 17.80               | 17.81                  | 17.73                |                     |          |  |
| 10                               | 64QAM      | 50      | 0         | 17.79               | 17.82                  | 17.82                |                     |          |  |
| Channel                          |            |         |           | 20775               | 21100                  | 21425                | Tune-up limit (dBm) |          |  |
| Frequency (MHz)                  |            |         |           | 2502.5              | 2535                   | 2567.5               |                     |          |  |
| 5                                | QPSK       | 1       | 0         | 17.89               | 17.96                  | 17.79                | 19.5                | 0        |  |
| 5                                | QPSK       | 1       | 12        | 17.77               | 17.88                  | 17.75                |                     |          |  |
| 5                                | QPSK       | 1       | 24        | 17.85               | 17.84                  | 17.78                |                     |          |  |
| 5                                | QPSK       | 12      | 0         | 17.85               | 17.92                  | 17.83                | 19.5                | 0        |  |
| 5                                | QPSK       | 12      | 7         | 17.78               | 17.91                  | 17.80                |                     |          |  |
| 5                                | QPSK       | 12      | 13        | 17.87               | 17.84                  | 17.71                |                     |          |  |
| 5                                | QPSK       | 25      | 0         | 17.88               | 17.89                  | 17.99                | 19.5                | 0        |  |
| 5                                | 16QAM      | 1       | 0         | 18.10               | 18.12                  | 18.00                |                     |          |  |
| 5                                | 16QAM      | 1       | 12        | 18.15               | 18.11                  | 18.14                |                     |          |  |
| 5                                | 16QAM      | 1       | 24        | 17.76               | 17.87                  | 17.73                | 19.5                | 0        |  |
| 5                                | 16QAM      | 12      | 0         | 17.87               | 17.93                  | 17.81                |                     |          |  |
| 5                                | 16QAM      | 12      | 7         | 17.79               | 17.84                  | 17.77                |                     |          |  |
| 5                                | 16QAM      | 12      | 13        | 17.80               | 17.81                  | 17.69                | 19.5                | 0        |  |
| 5                                | 16QAM      | 25      | 0         | 18.00               | 18.06                  | 17.97                |                     |          |  |
| 5                                | 64QAM      | 1       | 0         | 18.10               | 18.17                  | 18.06                |                     |          |  |
| 5                                | 64QAM      | 1       | 12        | 18.01               | 18.07                  | 18.10                | 19.5                | 0        |  |
| 5                                | 64QAM      | 1       | 24        | 17.83               | 17.86                  | 17.77                |                     |          |  |
| 5                                | 64QAM      | 12      | 0         | 17.89               | 17.92                  | 17.83                |                     |          |  |
| 5                                | 64QAM      | 12      | 7         | 17.84               | 17.85                  | 17.81                | 19.5                | 0        |  |
| 5                                | 64QAM      | 12      | 13        | 17.83               | 17.83                  | 17.70                |                     |          |  |
| 5                                | 64QAM      | 25      | 0         | 17.80               | 17.72                  | 17.96                |                     |          |  |

| Band 66         |            |         |           |                                                                                           |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-------------------------------------------------------------------------------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 132072                                                                                    | 132322                   | 132572                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1720                                                                                      | 1745                     | 1770                   |                     |          |  |
| 20              | QPSK       | 1       | 0         | 19.51                                                                                     | 19.54                    | 19.34                  | 20.5                | 0        |  |
| 20              | QPSK       | 1       | 49        | 19.34                                                                                     | 19.13                    | 19.21                  |                     |          |  |
| 20              | QPSK       | 1       | 99        | 19.22                                                                                     | 19.21                    | 19.33                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 19.19                                                                                     | 19.30                    | 19.23                  | 20.5                | 0        |  |
| 20              | QPSK       | 50      | 24        | 19.29                                                                                     | 19.24                    | 19.24                  |                     |          |  |
| 20              | QPSK       | 50      | 50        | 19.14                                                                                     | 19.18                    | 19.19                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 19.21                                                                                     | 19.22                    | 19.15                  | 20.5                | 0        |  |
| 20              | 16QAM      | 1       | 0         | 19.29                                                                                     | 19.37                    | 19.34                  |                     |          |  |
| 20              | 16QAM      | 1       | 49        | 19.47                                                                                     | 19.23                    | 19.52                  |                     |          |  |
| 20              | 16QAM      | 1       | 99        | 19.12                                                                                     | 19.40                    | 19.33                  | 20.5                | 0        |  |
| 20              | 16QAM      | 50      | 0         | 19.23                                                                                     | 19.21                    | 19.26                  |                     |          |  |
| 20              | 16QAM      | 50      | 24        | 19.31                                                                                     | 19.10                    | 19.27                  |                     |          |  |
| 20              | 16QAM      | 50      | 50        | 19.29                                                                                     | 19.21                    | 19.20                  | 20.5                | 0        |  |
| 20              | 16QAM      | 100     | 0         | 19.23                                                                                     | 19.18                    | 19.19                  |                     |          |  |
| 20              | 64QAM      | 1       | 0         | 19.26                                                                                     | 19.44                    | 19.21                  | 20.5                | 0        |  |
| 20              | 64QAM      | 1       | 49        | 19.20                                                                                     | 19.28                    | 19.49                  |                     |          |  |
| 20              | 64QAM      | 1       | 99        | 19.18                                                                                     | 19.20                    | 19.24                  |                     |          |  |
| 20              | 64QAM      | 50      | 0         | 19.19                                                                                     | 19.22                    | 19.23                  | 20.5                | 0        |  |
| 20              | 64QAM      | 50      | 24        | 19.29                                                                                     | 19.24                    | 19.24                  |                     |          |  |
| 20              | 64QAM      | 50      | 50        | 19.15                                                                                     | 19.18                    | 19.16                  |                     |          |  |
| 20              | 64QAM      | 100     | 0         | 19.23                                                                                     | 19.13                    | 19.19                  | 20.5                | 0        |  |
| Channel         |            |         |           | 132047                                                                                    | 132322                   | 132597                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1717.5                                                                                    | 1745                     | 1772.5                 | Tune-up limit (dBm) |          |  |
| 15              | QPSK       | 1       | 0         | 19.16                                                                                     | 19.14                    | 19.28                  | 20.5                | 0        |  |
| 15              | QPSK       | 1       | 37        | 19.07                                                                                     | 19.12                    | 19.16                  |                     |          |  |
| 15              | QPSK       | 1       | 74        | 18.92                                                                                     | 18.99                    | 19.10                  |                     |          |  |
| 15              | QPSK       | 36      | 0         | 19.23                                                                                     | 19.27                    | 19.28                  | 20.5                | 0        |  |
| 15              | QPSK       | 36      | 20        | 19.30                                                                                     | 19.25                    | 19.27                  |                     |          |  |
| 15              | QPSK       | 36      | 39        | 19.18                                                                                     | 19.25                    | 19.22                  |                     |          |  |
| 15              | QPSK       | 75      | 0         | 19.23                                                                                     | 19.20                    | 19.21                  | 20.5                | 0        |  |
| 15              | 16QAM      | 1       | 0         | 19.39                                                                                     | 19.52                    | 19.22                  |                     |          |  |
| 15              | 16QAM      | 1       | 37        | 19.46                                                                                     | 19.23                    | 19.53                  |                     |          |  |
| 15              | 16QAM      | 1       | 74        | 19.24                                                                                     | 19.37                    | 19.35                  | 20.5                | 0        |  |
| 15              | 16QAM      | 36      | 0         | 19.24                                                                                     | 19.30                    | 19.28                  |                     |          |  |
| 15              | 16QAM      | 36      | 20        | 19.28                                                                                     | 19.28                    | 19.24                  |                     |          |  |
| 15              | 16QAM      | 36      | 39        | 19.20                                                                                     | 19.26                    | 19.21                  | 20.5                | 0        |  |
| 15              | 16QAM      | 75      | 0         | 19.26                                                                                     | 19.26                    | 19.24                  |                     |          |  |
| 15              | 64QAM      | 1       | 0         | 19.50                                                                                     | 19.46                    | 19.45                  | 20.5                | 0        |  |
| 15              | 64QAM      | 1       | 37        | 19.46                                                                                     | 19.38                    | 19.42                  |                     |          |  |
| 15              | 64QAM      | 1       | 74        | 19.21                                                                                     | 19.25                    | 19.22                  |                     |          |  |
| 15              | 64QAM      | 36      | 0         | 19.25                                                                                     | 19.29                    | 19.23                  | 20.5                | 0        |  |
| 15              | 64QAM      | 36      | 20        | 19.05                                                                                     | 19.28                    | 19.18                  |                     |          |  |
| 15              | 64QAM      | 36      | 39        | 19.18                                                                                     | 19.26                    | 19.24                  |                     |          |  |
| 15              | 64QAM      | 75      | 0         | 19.24                                                                                     | 19.25                    | 19.23                  | 20.5                | 0        |  |
| Channel         |            |         |           | 132022                                                                                    | 132322                   | 132623                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1715 <th>1745</th> <th>1775</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th> | 1745                     | 1775                   | Tune-up limit (dBm) |          |  |
| 10              | QPSK       | 1       | 0         | 19.06                                                                                     | 18.95                    | 19.04                  | 20.5                | 0        |  |
| 10              | QPSK       | 1       | 25        | 19.06                                                                                     | 19.06                    | 19.07                  |                     |          |  |
| 10              | QPSK       | 1       | 49        | 19.05                                                                                     | 18.92                    | 18.95                  |                     |          |  |
| 10              | QPSK       | 25      | 0         | 19.22                                                                                     | 19.15                    | 19.19                  | 20.5                | 0        |  |
| 10              | QPSK       | 25      | 12        | 19.19                                                                                     | 19.16                    | 19.19                  |                     |          |  |
| 10              | QPSK       | 25      | 25        | 19.12                                                                                     | 19.21                    | 19.19                  |                     |          |  |
| 10              | QPSK       | 50      | 0         | 19.23                                                                                     | 19.22                    | 19.10                  | 20.5                | 0        |  |
| 10              | 16QAM      | 1       | 0         | 19.46                                                                                     | 19.44                    | 19.45                  |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 19.33                                                                                     | 19.33                    | 19.42                  |                     |          |  |
| 10              | 16QAM      | 1       | 49        | 19.38                                                                                     | 19.32                    | 19.49                  | 20.5                | 0        |  |
| 10              | 16QAM      | 25      | 0         | 19.12                                                                                     | 19.17                    | 19.14                  |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 19.20                                                                                     | 19.23                    | 19.23                  | 20.5                | 0        |  |
| 10              | 16QAM      | 25      | 25        | 19.12                                                                                     | 19.16                    | 19.08                  |                     |          |  |
| 10              | 16QAM      | 50      | 0         | 19.15                                                                                     | 19.19                    | 19.19                  |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 19.33                                                                                     | 19.23                    | 19.32                  | 20.5                | 0        |  |
| 10              | 64QAM      | 1       | 25        | 19.50                                                                                     | 19.23                    | 19.32                  |                     |          |  |
| 10              | 64QAM      | 1       | 49        | 19.25                                                                                     | 19.32                    | 19.32                  |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 19.25                                                                                     | 19.21                    | 19.30                  | 20.5                | 0        |  |
| 10              | 64QAM      | 25      | 12        | 19.32                                                                                     | 19.32                    | 19.25                  |                     |          |  |
| 10              | 64QAM      | 25      | 25        | 19.25                                                                                     | 19.27                    | 19.22                  |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 19.20                                                                                     | 19.35                    | 19.20                  | 20.5                | 0        |  |
| Channel         |            |         |           | 131997                                                                                    | 132322                   | 132647                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1712.5                                                                                    | 1745                     | 1777.5                 | Tune-up limit (dBm) |          |  |
| 5               | QPSK       | 1       | 0         | 19.02                                                                                     | 19.10                    | 19.18                  | 20.5                | 0        |  |
| 5               | QPSK       | 1       | 12        | 19.07                                                                                     | 19.09                    | 19.25                  |                     |          |  |
| 5               | QPSK       | 1       | 24        | 19.35                                                                                     | 19.02                    | 19.13                  |                     |          |  |
| 5               | QPSK       | 12      | 0         | 19.30                                                                                     | 19.35                    | 19.13                  | 20.5                | 0        |  |
| 5               | QPSK       | 12      | 7         | 19.06                                                                                     | 19.35                    | 19.25                  |                     |          |  |
| 5               | QPSK       | 12      | 13        | 19.17                                                                                     | 19.26                    | 19.14                  |                     |          |  |
| 5               | QPSK       | 25      | 0         | 19.18                                                                                     | 19.23                    | 19.17                  | 20.5                | 0        |  |
| 5               | 16QAM      | 1       | 0         | 19.23                                                                                     | 19.32                    | 19.32                  |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 19.23                                                                                     | 19.51                    | 19.34                  |                     |          |  |
| 5               | 16QAM      | 1       | 24        | 19.23                                                                                     | 19.22                    | 19.21                  | 20.5                | 0        |  |
| 5               | 16QAM      | 12      | 0         | 19.35                                                                                     | 19.32                    | 19.29                  |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 19.29                                                                                     | 19.32                    | 19.27                  |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 19.19                                                                                     | 19.34                    | 19.22                  | 20.5                | 0        |  |
| 5               | 16QAM      | 25      | 0         | 19.26                                                                                     | 19.21                    | 19.21                  |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 19.33                                                                                     | 19.21                    | 19.23                  | 20.5                | 0        |  |
| 5               | 64QAM      | 1       | 12        | 19.21                                                                                     | 19.32                    | 19.22                  |                     |          |  |
| 5               | 64QAM      | 1       | 24        | 19.32                                                                                     | 19.33                    | 19.26                  |                     |          |  |
| 5               | 64QAM      | 12      | 0         | 19.14                                                                                     | 19.35                    | 19.51                  | 20.5                | 0        |  |
| 5               | 64QAM      | 12      | 7         | 19.33                                                                                     | 19.34                    | 19.32                  |                     |          |  |
| 5               | 64QAM      | 12      | 13        | 19.24                                                                                     | 19.22                    | 19.29                  |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 19.30                                                                                     | 19.19                    | 19.21                  | 20.5                | 0        |  |
| Channel         |            |         |           | 131987                                                                                    | 132322                   | 132657                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1711.5                                                                                    | 1745                     | 1779.5                 | Tune-up limit (dBm) |          |  |
| 3               | QPSK       | 1       | 0         | 19.07                                                                                     | 19.48                    | 19.32                  | 20.5                | 0        |  |
| 3               | QPSK       | 1       | 8         | 19.26                                                                                     | 19.37                    | 19.25                  |                     |          |  |
| 3               | QPSK       | 1       | 14        | 19.19                                                                                     | 19.09                    | 19.10                  |                     |          |  |
| 3               | QPSK       | 8       | 0         | 19.27                                                                                     | 19.09                    | 19.33                  | 20.5                | 0        |  |
| 3               | QPSK       | 8       | 4         | 19.21                                                                                     | 19.23                    | 19.25                  |                     |          |  |
| 3               | QPSK       | 8       | 7         | 19.16                                                                                     | 19.42                    | 19.18                  |                     |          |  |
| 3               | QPSK       | 15      | 0         | 19.30                                                                                     | 19.26                    | 19.30                  | 20.5                | 0        |  |
| 3               | 16QAM      | 1       | 0         | 19.32                                                                                     | 19.43                    | 19.36                  |                     |          |  |
| 3               | 16QAM      | 1       | 8         | 19.33                                                                                     | 19.43                    | 19.39                  |                     |          |  |
| 3               | 16QAM      | 1       | 14        | 19.17                                                                                     | 19.30                    | 19.31                  | 20.5                | 0        |  |
| 3               | 16QAM      | 8       | 0         | 19.40                                                                                     | 19.44                    | 19.41                  |                     |          |  |
| 3               | 16QAM      | 8       | 4         | 19.44                                                                                     | 19.50                    | 19.43                  |                     |          |  |
| 3               | 16QAM      | 8       | 7         | 19.37                                                                                     | 19.34                    | 19.33                  | 20.5                | 0        |  |
| 3               | 16QAM      | 15      | 0         | 19.37                                                                                     | 19.40                    | 19.35                  |                     |          |  |
| 3               | 64QAM      | 1       | 0         | 19.46                                                                                     | 19.49                    | 19.48                  | 20.5                | 0        |  |
| 3               | 64QAM      | 1       | 8         | 19.43                                                                                     | 19.49                    | 19.35                  |                     |          |  |
| 3               | 64QAM      | 1       | 14        | 19.28                                                                                     | 19.33                    | 19.32                  |                     |          |  |
| 3               | 64QAM      | 8       | 0         | 19.51                                                                                     | 19.43                    | 19.33                  | 20.5                | 0        |  |
| 3               | 64QAM      | 8       | 4         | 19.46                                                                                     | 19.47                    | 19.45                  |                     |          |  |
| 3               | 64QAM      | 8       | 7         | 19.32                                                                                     | 19.41                    | 19.36                  |                     |          |  |
| 3               | 64QAM      | 15      | 0         | 19.34                                                                                     | 19.28                    | 19.28                  | 20.5                | 0        |  |
| Channel         |            |         |           | 131979                                                                                    | 132322                   | 132665                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1710.5                                                                                    | 1745                     | 1779.5                 | Tune-up limit (dBm) |          |  |
| 1.4             | QPSK       | 1       | 0         | 19.05                                                                                     | 19.28                    | 19.10                  | 20.5                | 0        |  |
| 1.4             | QPSK       | 1       | 0         | 19.06                                                                                     | 19.52                    | 19.05                  |                     |          |  |
| 1.4             | QPSK       | 1       | 5         | 19.03                                                                                     | 19.25                    | 19.08                  |                     |          |  |
| 1.4             | QPSK       | 3       | 0         | 19.05                                                                                     | 19.12                    | 19.08                  | 20.5                | 0        |  |
| 1.4             | QPSK       | 3       | 1         | 19.06                                                                                     | 19.11                    | 19.10                  |                     |          |  |
| 1.4             | QPSK       | 3       | 3         | 19.41                                                                                     | 19.09                    | 19.03                  |                     |          |  |
| 1.4             | QPSK       | 6       | 0         | 19.23                                                                                     | 19.26                    | 19.19                  | 20.5                | 0        |  |
| 1.4             | 16QAM      | 1       | 0         | 19.42                                                                                     | 19.27                    | 19.22                  |                     |          |  |
| 1.4             | 16QAM      | 1       | 3         | 19.15                                                                                     | 19.30                    | 19.25                  |                     |          |  |
| 1.4             | 16QAM      | 1       | 5         | 19.46                                                                                     | 19.19                    | 19.16                  | 20.5                | 0        |  |
| 1.4             | 16QAM      | 3       | 0         | 19.09                                                                                     | 19.17                    | 19.20                  |                     |          |  |
| 1.4             | 16QAM      | 3       | 1         | 19.10                                                                                     | 19.27                    | 19.24                  |                     |          |  |
| 1.4             | 16QAM      | 3       | 3         | 19.47                                                                                     | 19.20                    | 19.17                  | 20.5                | 0        |  |
| 1.4             | 16QAM      | 6       | 0         | 19.20                                                                                     | 19.22                    | 19.14                  |                     |          |  |
| 1.4             | 64QAM      | 1       | 0         | 19.21                                                                                     | 19.33                    | 19.32                  |                     |          |  |
| 1.4             | 64QAM      | 1       | 3         | 19.45                                                                                     | 19.37                    | 19.37                  | 20.5                | 0        |  |
| 1.4             | 64QAM      | 1       | 5         | 19.10                                                                                     | 19.20                    | 19.28                  |                     |          |  |
| 1.4             | 64QAM      | 3       | 0         | 19.24                                                                                     | 19.22                    | 19.31                  |                     |          |  |
| 1.4             | 64QAM      | 3       | 1         | 19.23                                                                                     | 19.21                    | 19.28                  | 20.5                | 0        |  |
| 1.4             | 64QAM      | 3       | 3         | 19.36                                                                                     | 19.24                    | 19.20                  |                     |          |  |
| 1.4             | 64QAM      | 6       | 0         | 19.25                                                                                     | 19.26                    | 19.19                  |                     |          |  |

LAT Full power - DSI 2/3/4/6

| n2 (only SCS15KHz has 5M BW) |            |         |           |                       |                          |                        |                     |          |
|------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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                   | Tune-up limit (dBm) | MPR (dB) |
| 20                           | PI/2 BPSK  | 1       | 1         | 23.11                 | 23.10                    | 23.03                  | 24.0                | 0.0      |
| 20                           | PI/2 BPSK  | 1       | 53        | 23.11                 | 23.07                    | 23.05                  |                     |          |
| 20                           | PI/2 BPSK  | 1       | 104       | 23.04                 | 23.08                    | 23.01                  |                     |          |
| 20                           | PI/2 BPSK  | 50      | 0         | 23.01                 | 22.93                    | 22.95                  |                     |          |
| 20                           | PI/2 BPSK  | 50      | 28        | 23.07                 | 23.02                    | 23.02                  | 24.0                | 0.0      |
| 20                           | PI/2 BPSK  | 50      | 56        | 23.03                 | 22.91                    | 22.91                  |                     |          |
| 20                           | PI/2 BPSK  | 100     | 0         | 22.46                 | 22.44                    | 22.51                  |                     |          |
| 20                           | PI/2 BPSK  | 100     | 0         | 22.46                 | 22.44                    | 22.51                  |                     |          |
| 20                           | QPSK       | 1       | 1         | 23.11                 | 23.25                    | 23.06                  | 24.0                | 0.0      |
| 20                           | QPSK       | 1       | 53        | 23.15                 | 23.22                    | 23.08                  |                     |          |
| 20                           | QPSK       | 1       | 104       | 23.00                 | 23.15                    | 23.02                  |                     |          |
| 20                           | QPSK       | 50      | 0         | 22.49                 | 22.57                    | 22.53                  |                     |          |
| 20                           | QPSK       | 50      | 28        | 23.08                 | 23.16                    | 23.01                  | 24.0                | 0.0      |
| 20                           | QPSK       | 50      | 56        | 22.55                 | 22.53                    | 22.59                  | 23.5                | 0.5      |
| 20                           | QPSK       | 100     | 0         | 22.13                 | 22.26                    | 22.17                  | 23.0                | 1.0      |
| 20                           | 16QAM      | 1       | 1         | 22.10                 | 22.32                    | 22.13                  | 23.0                | 1.0      |
| 20                           | 64QAM      | 1       | 1         | 20.88                 | 20.95                    | 20.84                  | 21.5                | 2.5      |
| 20                           | 256QAM     | 1       | 1         | 18.42                 | 18.65                    | 18.39                  | 19.5                | 4.5      |
| Channel                      |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 1857.5                | 1880                     | 1902.5                 | Tune-up limit (dBm) | MPR (dB) |
| 15                           | QPSK       | 1       | 1         | 23.21                 | 23.28                    | 23.19                  | 24.0                | 0.0      |
| Channel                      |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 1855                  | 1880                     | 1905                   | Tune-up limit (dBm) | MPR (dB) |
| 10                           | QPSK       | 1       | 1         | 23.20                 | 23.27                    | 23.29                  | 24.0                | 0.0      |
| 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         | 23.08                 | 23.04                    | 23.05                  | 24.0                | 0.0      |

| n5 (only SCS15KHz has 5M BW) |            |         |           |                       |                          |                        |                     |          |
|------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 834                   | 836.5                    | 839                    | Tune-up limit (dBm) | MPR (dB) |
| 20                           | PI/2 BPSK  | 1       | 1         | 23.04                 | 23.07                    | 23.09                  | 24.0                | 0.0      |
| 20                           | PI/2 BPSK  | 1       | 53        | 23.04                 | 23.03                    | 23.03                  |                     |          |
| 20                           | PI/2 BPSK  | 1       | 104       | 23.03                 | 23.01                    | 23.02                  |                     |          |
| 20                           | PI/2 BPSK  | 50      | 0         | 22.93                 | 22.97                    | 22.97                  |                     |          |
| 20                           | PI/2 BPSK  | 50      | 28        | 23.09                 | 23.01                    | 23.09                  | 24.0                | 0.0      |
| 20                           | PI/2 BPSK  | 50      | 56        | 22.94                 | 22.94                    | 22.92                  |                     |          |
| 20                           | PI/2 BPSK  | 100     | 0         | 22.44                 | 22.47                    | 22.48                  |                     |          |
| 20                           | PI/2 BPSK  | 100     | 0         | 22.44                 | 22.47                    | 22.48                  |                     |          |
| 20                           | QPSK       | 1       | 1         | 23.15                 | 23.23                    | 23.17                  | 24.0                | 0.0      |
| 20                           | QPSK       | 1       | 53        | 23.11                 | 23.19                    | 23.07                  |                     |          |
| 20                           | QPSK       | 1       | 104       | 23.06                 | 23.02                    | 23.16                  |                     |          |
| 20                           | QPSK       | 50      | 0         | 22.54                 | 22.57                    | 22.51                  |                     |          |
| 20                           | QPSK       | 50      | 28        | 23.10                 | 23.23                    | 23.22                  | 24.0                | 0.0      |
| 20                           | QPSK       | 50      | 56        | 22.49                 | 22.55                    | 22.55                  | 23.5                | 0.5      |
| 20                           | QPSK       | 100     | 0         | 22.16                 | 22.23                    | 22.15                  | 23.0                | 1.0      |
| 20                           | 16QAM      | 1       | 1         | 22.16                 | 22.25                    | 22.24                  | 23.0                | 1.0      |
| 20                           | 64QAM      | 1       | 1         | 21.72                 | 21.67                    | 21.69                  | 21.5                | 2.5      |
| 20                           | 256QAM     | 1       | 1         | 19.61                 | 19.56                    | 19.59                  | 19.5                | 4.5      |
| Channel                      |            |         |           | 166300                | 167300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 831.5                 | 836.5                    | 841.5                  | Tune-up limit (dBm) | MPR (dB) |
| 15                           | QPSK       | 1       | 1         | 23.25                 | 23.24                    | 23.18                  | 24.0                | 0.0      |
| Channel                      |            |         |           | 165800                | 167300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 829                   | 836.5                    | 844                    | Tune-up limit (dBm) | MPR (dB) |
| 10                           | QPSK       | 1       | 1         | 23.26                 | 23.22                    | 23.14                  | 24.0                | 0.0      |
| Channel                      |            |         |           | 165300                | 167300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 826.5                 | 836.5                    | 846.5                  | Tune-up limit (dBm) | MPR (dB) |
| 5                            | QPSK       | 1       | 1         | 23.12                 | 23.21                    | 23.20                  | 24.0                | 0.0      |

**n66 (only SCS15KHz has 5M BW)**

| 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         |            |         |           | 344000                      | 349000                         | 354000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1720                        | 1745                           | 1770                         |                        |             |
| 20              | PI/2 BPSK  | 1       | 1         | 23.00                       | 23.01                          | 22.96                        | 24.0                   | 0.0         |
| 20              | PI/2 BPSK  | 1       | 53        | 22.94                       | 22.84                          | 22.98                        |                        |             |
| 20              | PI/2 BPSK  | 1       | 104       | 22.91                       | 22.86                          | 22.95                        |                        |             |
| 20              | PI/2 BPSK  | 50      | 0         | 22.85                       | 22.91                          | 22.86                        | 24.0                   | 0.0         |
| 20              | PI/2 BPSK  | 50      | 28        | 23.00                       | 23.03                          | 22.97                        |                        |             |
| 20              | PI/2 BPSK  | 50      | 56        | 22.89                       | 22.87                          | 22.87                        |                        |             |
| 20              | PI/2 BPSK  | 100     | 0         | 22.79                       | 22.76                          | 22.81                        | 23.5                   | 0.5         |
| 20              | QPSK       | 1       | 1         | 23.03                       | 23.06                          | 23.04                        | 24.0                   | 0.0         |
| 20              | QPSK       | 1       | 53        | 22.86                       | 22.91                          | 22.61                        |                        |             |
| 20              | QPSK       | 1       | 104       | 22.85                       | 22.93                          | 22.75                        |                        |             |
| 20              | QPSK       | 50      | 0         | 22.43                       | 22.45                          | 22.36                        | 23.5                   | 0.5         |
| 20              | QPSK       | 50      | 28        | 22.97                       | 23.00                          | 22.94                        | 24.0                   | 0.0         |
| 20              | QPSK       | 50      | 56        | 22.44                       | 22.53                          | 22.41                        | 23.5                   | 0.5         |
| 20              | QPSK       | 100     | 0         | 22.04                       | 22.09                          | 21.95                        | 23.0                   | 1.0         |
| 20              | 16QAM      | 1       | 1         | 22.33                       | 22.30                          | 21.72                        | 23.0                   | 1.0         |
| 20              | 64QAM      | 1       | 1         | 20.56                       | 20.50                          | 20.16                        | 21.5                   | 2.5         |
| 20              | 256QAM     | 1       | 1         | 18.49                       | 18.44                          | 18.35                        | 19.5                   | 4.5         |
| Channel         |            |         |           | 343500                      | 349000                         | 354500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1717.5                      | 1745                           | 1772.5                       |                        |             |
| 15              | QPSK       | 1       | 1         | 22.85                       | 22.99                          | 22.90                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 343000                      | 349000                         | 355000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1715                        | 1745                           | 1775                         |                        |             |
| 10              | QPSK       | 1       | 1         | 22.77                       | 23.01                          | 22.88                        | 24.0                   | 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         | 22.91                       | 23.00                          | 22.84                        | 24.0                   | 0.0         |

# UAT Full power - DSI 2/3/4/6

## n2 (only SCS15KHz has 5M BW)

| 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         |            |         |           | 372000                      | 376000                         | 380000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1860                        | 1880                           | 1900                         |                        |             |
| 20              | PI/2 BPSK  | 1       | 1         | 23.35                       | 23.50                          | 23.33                        | 24.0                   | 0.0         |
| 20              | PI/2 BPSK  | 1       | 53        | 23.69                       | 23.79                          | 23.52                        |                        |             |
| 20              | PI/2 BPSK  | 1       | 104       | 23.85                       | 23.39                          | 23.42                        |                        |             |
| 20              | PI/2 BPSK  | 50      | 0         | 23.24                       | 23.36                          | 23.31                        |                        |             |
| 20              | PI/2 BPSK  | 50      | 28        | 23.29                       | 23.40                          | 23.25                        | 24.0                   | 0.0         |
| 20              | PI/2 BPSK  | 50      | 56        | 23.11                       | 23.26                          | 23.17                        |                        |             |
| 20              | PI/2 BPSK  | 100     | 0         | 23.18                       | 23.30                          | 23.23                        |                        |             |
| 20              | QPSK       | 1       | 1         | 23.55                       | 23.81                          | 23.59                        |                        |             |
| 20              | QPSK       | 1       | 53        | 23.88                       | 23.80                          | 23.93                        | 24.0                   | 0.0         |
| 20              | QPSK       | 1       | 104       | 23.39                       | 23.40                          | 23.45                        |                        |             |
| 20              | QPSK       | 50      | 0         | 23.06                       | 22.61                          | 23.01                        |                        |             |
| 20              | QPSK       | 50      | 28        | 23.45                       | 23.50                          | 23.39                        |                        |             |
| 20              | QPSK       | 50      | 56        | 22.50                       | 22.60                          | 22.53                        | 23.5                   | 0.5         |
| 20              | QPSK       | 100     | 0         | 22.53                       | 22.60                          | 22.49                        | 23.0                   | 1.0         |
| 20              | 16QAM      | 1       | 1         | 22.23                       | 22.45                          | 22.42                        | 23.0                   | 1.0         |
| 20              | 64QAM      | 1       | 1         | 20.91                       | 20.94                          | 20.71                        | 21.5                   | 2.5         |
| 20              | 256QAM     | 1       | 1         | 19.09                       | 19.13                          | 18.96                        | 19.5                   | 4.5         |
| Channel         |            |         |           | 371500                      | 376000                         | 380500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1857.5                      | 1880                           | 1902.5                       |                        |             |
| 15              | QPSK       | 1       | 1         | 23.38                       | 23.43                          | 23.59                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 371000                      | 376000                         | 381000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1855                        | 1880                           | 1905                         |                        |             |
| 10              | QPSK       | 1       | 1         | 23.47                       | 23.56                          | 23.53                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 370500                      | 376000                         | 381500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1852.5                      | 1880                           | 1907.5                       |                        |             |
| 5               | QPSK       | 1       | 1         | 23.41                       | 23.43                          | 23.47                        | 24.0                   | 0.0         |

## n5 (only SCS15KHz has 5M BW)

| 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         |            |         |           | 166800                      | 167300                         | 167800                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 834                         | 836.5                          | 839                          |                        |             |
| 20              | PI/2 BPSK  | 1       | 1         | 23.03                       | 23.16                          | 23.12                        | 24.0                   | 0.0         |
| 20              | PI/2 BPSK  | 1       | 53        | 23.11                       | 23.06                          | 23.16                        |                        |             |
| 20              | PI/2 BPSK  | 1       | 104       | 23.04                       | 23.12                          | 23.03                        |                        |             |
| 20              | PI/2 BPSK  | 50      | 0         | 23.09                       | 23.01                          | 23.06                        |                        |             |
| 20              | PI/2 BPSK  | 50      | 28        | 23.22                       | 23.29                          | 23.23                        | 24.0                   | 0.0         |
| 20              | PI/2 BPSK  | 50      | 56        | 23.02                       | 23.05                          | 23.11                        |                        |             |
| 20              | PI/2 BPSK  | 100     | 0         | 22.26                       | 22.36                          | 22.30                        |                        |             |
| 20              | QPSK       | 1       | 1         | 23.24                       | 23.25                          | 23.21                        |                        |             |
| 20              | QPSK       | 1       | 53        | 23.11                       | 23.18                          | 23.20                        | 24.0                   | 0.0         |
| 20              | QPSK       | 1       | 104       | 23.11                       | 23.23                          | 23.20                        |                        |             |
| 20              | QPSK       | 50      | 0         | 22.68                       | 22.61                          | 22.66                        |                        |             |
| 20              | QPSK       | 50      | 28        | 23.17                       | 23.22                          | 23.17                        |                        |             |
| 20              | QPSK       | 50      | 56        | 22.63                       | 22.75                          | 22.67                        | 23.5                   | 0.5         |
| 20              | QPSK       | 100     | 0         | 22.18                       | 22.23                          | 22.14                        | 23.0                   | 1.0         |
| 20              | 16QAM      | 1       | 1         | 22.22                       | 22.18                          | 22.20                        | 23.0                   | 1.0         |
| 20              | 64QAM      | 1       | 1         | 21.35                       | 21.44                          | 21.30                        | 21.5                   | 2.5         |
| 20              | 256QAM     | 1       | 1         | 19.35                       | 19.47                          | 19.56                        | 19.5                   | 4.5         |
| Channel         |            |         |           | 166300                      | 167300                         | 168300                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 831.5                       | 836.5                          | 841.5                        |                        |             |
| 15              | QPSK       | 1       | 1         | 23.16                       | 23.28                          | 23.21                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 165800                      | 167300                         | 168800                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 829                         | 836.5                          | 844                          |                        |             |
| 10              | QPSK       | 1       | 1         | 23.20                       | 23.24                          | 23.13                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 165300                      | 167300                         | 169300                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 826.5                       | 836.5                          | 846.5                        |                        |             |
| 5               | QPSK       | 1       | 1         | 23.27                       | 23.31                          | 23.14                        | 24.0                   | 0.0         |

n66 (only SCS15KHz has 5M BW)

| 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         |            |         |           | 344000                     | 349000                        | 354000                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1720                       | 1745                          | 1770                        |                        |             |
| 20              | PI/2 BPSK  | 1       | 1         | 23.03                      | 23.10                         | 22.95                       | 24.0                   | 0.0         |
| 20              | PI/2 BPSK  | 1       | 53        | 22.76                      | 22.90                         | 22.78                       |                        |             |
| 20              | PI/2 BPSK  | 1       | 104       | 22.82                      | 22.92                         | 22.83                       |                        |             |
| 20              | PI/2 BPSK  | 50      | 0         | 22.85                      | 22.84                         | 22.88                       | 24.0                   | 0.0         |
| 20              | PI/2 BPSK  | 50      | 26        | 22.87                      | 23.03                         | 22.96                       |                        |             |
| 20              | PI/2 BPSK  | 50      | 56        | 22.72                      | 22.83                         | 22.80                       |                        |             |
| 20              | PI/2 BPSK  | 100     | 0         | 22.70                      | 22.83                         | 22.76                       | 23.5                   | 0.5         |
| 20              | QPSK       | 1       | 1         | 22.92                      | 23.10                         | 22.95                       |                        |             |
| 20              | QPSK       | 1       | 53        | 22.79                      | 22.95                         | 22.88                       |                        |             |
| 20              | QPSK       | 1       | 104       | 22.88                      | 22.99                         | 22.95                       | 24.0                   | 0.0         |
| 20              | QPSK       | 50      | 0         | 22.64                      | 22.60                         | 22.70                       |                        |             |
| 20              | QPSK       | 50      | 28        | 22.90                      | 22.95                         | 22.84                       |                        |             |
| 20              | QPSK       | 50      | 56        | 22.60                      | 22.52                         | 22.66                       | 23.5                   | 0.5         |
| 20              | QPSK       | 100     | 0         | 22.19                      | 22.26                         | 22.13                       |                        |             |
| 20              | 16QAM      | 1       | 1         | 21.94                      | 22.00                         | 21.97                       |                        |             |
| 20              | 64QAM      | 1       | 1         | 21.80                      | 21.89                         | 20.71                       | 21.5                   | 2.5         |
| 20              | 256QAM     | 1       | 1         | 18.84                      | 18.79                         | 18.88                       |                        |             |
| Channel         |            |         |           | 343500                     | 349000                        | 354500                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1717.5                     | 1745                          | 1772.5                      |                        |             |
| 15              | QPSK       | 1       | 1         | 23.43                      | 23.58                         | 23.23                       | 24.0                   | 0.0         |
| Channel         |            |         |           | 343000                     | 349000                        | 355000                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1715                       | 1745                          | 1775                        |                        |             |
| 10              | QPSK       | 1       | 1         | 23.35                      | 23.61                         | 23.39                       | 24.0                   | 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         | 23.41                      | 23.60                         | 23.28                       | 24.0                   | 0.0         |

## LAT Reduced power - DS13 for Body worn / Hotspot

| n2 (only SCS15KHz has 5M BW) |            |         |           |                       |                          |                        |                     |          |
|------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         | 16.93                 | 17.20                    | 17.18                  | 17.8                | 0.0      |
| 20                           | PI/2 BPSK  | 1       | 53        | 16.93                 | 17.34                    | 17.36                  |                     |          |
| 20                           | PI/2 BPSK  | 1       | 104       | 16.96                 | 17.06                    | 17.16                  |                     |          |
| 20                           | PI/2 BPSK  | 50      | 0         | 16.89                 | 17.16                    | 17.20                  | 17.8                | 0.0      |
| 20                           | PI/2 BPSK  | 50      | 28        | 16.87                 | 17.18                    | 17.29                  |                     |          |
| 20                           | PI/2 BPSK  | 50      | 56        | 16.98                 | 17.14                    | 17.19                  |                     |          |
| 20                           | PI/2 BPSK  | 100     | 0         | 16.88                 | 17.12                    | 17.39                  | 17.8                | 0.0      |
| 20                           | QPSK       | 1       | 1         | 17.42                 | 17.56                    | 17.50                  | 17.8                | 0.0      |
| 20                           | QPSK       | 1       | 53        | 16.96                 | 17.21                    | 17.28                  |                     |          |
| 20                           | QPSK       | 1       | 104       | 16.93                 | 17.08                    | 17.09                  |                     |          |
| 20                           | QPSK       | 50      | 0         | 16.89                 | 17.19                    | 17.19                  | 17.8                | 0.0      |
| 20                           | QPSK       | 50      | 28        | 17.37                 | 17.45                    | 17.44                  |                     |          |
| 20                           | QPSK       | 50      | 56        | 16.98                 | 17.15                    | 17.25                  |                     |          |
| 20                           | QPSK       | 100     | 0         | 16.89                 | 17.40                    | 17.23                  | 17.8                | 0.0      |
| 20                           | 16QAM      | 1       | 1         | 16.96                 | 17.08                    | 17.16                  | 17.8                | 0.0      |
| 20                           | 64QAM      | 1       | 1         | 17.27                 | 17.02                    | 17.50                  | 17.8                | 0.0      |
| 20                           | 256QAM     | 1       | 1         | 16.63                 | 17.03                    | 16.68                  | 17.8                | 0.0      |
| Channel                      |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |          |
| 15                           | QPSK       | 1       | 1         | 17.03                 | 17.12                    | 17.18                  | 17.8                | 0.0      |
| Channel                      |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 1855                  | 1880                     | 1905                   |                     |          |
| 10                           | QPSK       | 1       | 1         | 17.12                 | 17.25                    | 17.25                  | 17.8                | 0.0      |
| Channel                      |            |         |           | 370500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 1852.5                | 1880                     | 1907.5                 |                     |          |
| 5                            | QPSK       | 1       | 1         | 17.05                 | 17.35                    | 17.32                  | 17.8                | 0.0      |

| n66 (only SCS15KHz has 5M BW) |            |         |           |                       |                          |                        |                     |          |
|-------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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                       |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |
| 20                            | PI/2 BPSK  | 1       | 1         | 17.96                 | 18.18                    | 18.35                  | 19.0                | 0.0      |
| 20                            | PI/2 BPSK  | 1       | 53        | 18.19                 | 18.28                    | 18.37                  |                     |          |
| 20                            | PI/2 BPSK  | 1       | 104       | 18.27                 | 18.33                    | 18.48                  |                     |          |
| 20                            | PI/2 BPSK  | 50      | 0         | 18.04                 | 18.19                    | 18.31                  | 19.0                | 0.0      |
| 20                            | PI/2 BPSK  | 50      | 28        | 18.17                 | 18.28                    | 18.35                  |                     |          |
| 20                            | PI/2 BPSK  | 50      | 56        | 18.21                 | 18.33                    | 18.43                  |                     |          |
| 20                            | PI/2 BPSK  | 100     | 0         | 18.12                 | 18.29                    | 18.30                  | 19.0                | 0.0      |
| 20                            | QPSK       | 1       | 1         | 18.60                 | 18.76                    | 18.63                  | 19.0                | 0.0      |
| 20                            | QPSK       | 1       | 53        | 18.64                 | 18.54                    | 18.32                  |                     |          |
| 20                            | QPSK       | 1       | 104       | 18.62                 | 18.41                    | 18.46                  |                     |          |
| 20                            | QPSK       | 50      | 0         | 18.07                 | 18.23                    | 18.35                  | 19.0                | 0.0      |
| 20                            | QPSK       | 50      | 28        | 18.48                 | 18.56                    | 18.54                  |                     |          |
| 20                            | QPSK       | 50      | 56        | 18.36                 | 18.32                    | 18.43                  |                     |          |
| 20                            | QPSK       | 100     | 0         | 18.29                 | 18.43                    | 18.35                  | 19.0                | 0.0      |
| 20                            | 16QAM      | 1       | 1         | 17.94                 | 18.23                    | 18.56                  | 19.0                | 0.0      |
| 20                            | 64QAM      | 1       | 1         | 18.55                 | 18.54                    | 18.51                  | 19.0                | 0.0      |
| 20                            | 256QAM     | 1       | 1         | 17.86                 | 18.10                    | 18.18                  | 19.0                | 0.0      |
| Channel                       |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |
| 15                            | QPSK       | 1       | 1         | 18.29                 | 18.26                    | 18.37                  | 19.0                | 0.0      |
| Channel                       |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |
| 10                            | QPSK       | 1       | 1         | 18.24                 | 18.21                    | 18.30                  | 19.0                | 0.0      |
| Channel                       |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |
| 5                             | QPSK       | 1       | 1         | 18.27                 | 18.35                    | 18.25                  | 19.0                | 0.0      |

## LAT Reduced power - DS16 for Handheld

| n2 (only SCS15KHz has 5M BW) |            |         |           |                       |                          |                        |                     |          |
|------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         | 21.61                 | 21.79                    | 21.82                  | 22.3                | 0.0      |
| 20                           | PI/2 BPSK  | 1       | 53        | 21.51                 | 21.95                    | 21.96                  |                     |          |
| 20                           | PI/2 BPSK  | 1       | 104       | 21.57                 | 21.62                    | 21.77                  |                     |          |
| 20                           | PI/2 BPSK  | 50      | 0         | 21.45                 | 21.77                    | 21.79                  | 22.3                | 0.0      |
| 20                           | PI/2 BPSK  | 50      | 28        | 21.47                 | 21.72                    | 21.87                  |                     |          |
| 20                           | PI/2 BPSK  | 50      | 56        | 21.58                 | 21.67                    | 21.77                  |                     |          |
| 20                           | PI/2 BPSK  | 100     | 0         | 21.43                 | 21.74                    | 21.75                  | 22.3                | 0.0      |
| 20                           | QPSK       | 1       | 1         | 21.85                 | 21.97                    | 21.83                  | 22.3                | 0.0      |
| 20                           | QPSK       | 1       | 53        | 21.58                 | 21.84                    | 21.93                  |                     |          |
| 20                           | QPSK       | 1       | 104       | 21.57                 | 21.72                    | 21.74                  |                     |          |
| 20                           | QPSK       | 50      | 0         | 21.52                 | 21.74                    | 21.81                  | 22.3                | 0.0      |
| 20                           | QPSK       | 50      | 28        | 21.73                 | 21.85                    | 21.82                  |                     |          |
| 20                           | QPSK       | 50      | 56        | 21.58                 | 21.72                    | 21.84                  |                     |          |
| 20                           | QPSK       | 100     | 0         | 21.51                 | 21.80                    | 21.71                  | 22.3                | 0.0      |
| 20                           | 16QAM      | 1       | 1         | 21.58                 | 21.78                    | 21.76                  | 22.3                | 0.0      |
| 20                           | 64QAM      | 1       | 1         | 21.05                 | 21.45                    | 21.35                  | 21.5                | 0.8      |
| 20                           | 256QAM     | 1       | 1         | 18.43                 | 18.78                    | 18.79                  | 19.5                | 2.8      |
| Channel                      |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |          |
| 15                           | QPSK       | 1       | 1         | 21.78                 | 21.87                    | 21.65                  | 22.3                | 0.0      |
| Channel                      |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 1855                  | 1880                     | 1905                   |                     |          |
| 10                           | QPSK       | 1       | 1         | 21.62                 | 21.90                    | 21.68                  | 22.3                | 0.0      |
| Channel                      |            |         |           | 370500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 1852.5                | 1880                     | 1907.5                 |                     |          |
| 5                            | QPSK       | 1       | 1         | 21.71                 | 21.77                    | 21.70                  | 22.3                | 0.0      |

| n66 (only SCS15KHz has 5M BW) |            |         |           |                       |                          |                        |                     |          |
|-------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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                       |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |
| 20                            | PI/2 BPSK  | 1       | 1         | 22.05                 | 22.23                    | 22.57                  | 22.8                | 0.0      |
| 20                            | PI/2 BPSK  | 1       | 53        | 22.38                 | 22.29                    | 22.56                  |                     |          |
| 20                            | PI/2 BPSK  | 1       | 104       | 22.39                 | 22.33                    | 22.66                  |                     |          |
| 20                            | PI/2 BPSK  | 50      | 0         | 21.97                 | 22.17                    | 22.50                  | 22.8                | 0.0      |
| 20                            | PI/2 BPSK  | 50      | 28        | 22.14                 | 22.28                    | 22.47                  |                     |          |
| 20                            | PI/2 BPSK  | 50      | 56        | 22.21                 | 22.29                    | 22.55                  |                     |          |
| 20                            | PI/2 BPSK  | 100     | 0         | 22.06                 | 22.29                    | 22.39                  | 22.8                | 0.0      |
| 20                            | QPSK       | 1       | 1         | 22.63                 | 22.72                    | 22.58                  | 22.8                | 0.0      |
| 20                            | QPSK       | 1       | 53        | 22.62                 | 22.59                    | 22.55                  |                     |          |
| 20                            | QPSK       | 1       | 104       | 22.52                 | 22.41                    | 22.63                  |                     |          |
| 20                            | QPSK       | 50      | 0         | 21.97                 | 22.21                    | 22.43                  | 22.8                | 0.0      |
| 20                            | QPSK       | 50      | 28        | 22.47                 | 22.61                    | 22.50                  |                     |          |
| 20                            | QPSK       | 50      | 56        | 22.25                 | 22.36                    | 22.58                  |                     |          |
| 20                            | QPSK       | 100     | 0         | 22.15                 | 22.52                    | 22.48                  | 22.8                | 0.0      |
| 20                            | 16QAM      | 1       | 1         | 22.00                 | 22.35                    | 22.60                  | 22.8                | 0.0      |
| 20                            | 64QAM      | 1       | 1         | 21.23                 | 21.25                    | 21.39                  | 21.5                | 1.3      |
| 20                            | 256QAM     | 1       | 1         | 18.47                 | 18.67                    | 18.92                  | 19.5                | 3.3      |
| Channel                       |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |
| 15                            | QPSK       | 1       | 1         | 22.51                 | 22.56                    | 22.41                  | 22.8                | 0.0      |
| Channel                       |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |
| 10                            | QPSK       | 1       | 1         | 22.35                 | 22.60                    | 22.56                  | 22.8                | 0.0      |
| Channel                       |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |
| 5                             | QPSK       | 1       | 1         | 22.47                 | 22.53                    | 22.61                  | 22.8                | 0.0      |

UAT Reduced power - DS12 for Head

| n2 (only SCS15KHz has 5M BW) |            |         |           |                       |                          |                        |                     |          |
|------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         | 15.01                 | 15.20                    | 15.05                  | 15.5                | 0.0      |
| 20                           | PI/2 BPSK  | 1       | 53        | 15.16                 | 15.15                    | 15.04                  |                     |          |
| 20                           | PI/2 BPSK  | 1       | 104       | 15.16                 | 15.05                    | 14.99                  |                     |          |
| 20                           | PI/2 BPSK  | 50      | 0         | 15.30                 | 15.19                    | 15.03                  | 15.5                | 0.0      |
| 20                           | PI/2 BPSK  | 50      | 28        | 15.24                 | 15.13                    | 15.03                  |                     |          |
| 20                           | PI/2 BPSK  | 50      | 56        | 15.28                 | 15.19                    | 14.98                  |                     |          |
| 20                           | PI/2 BPSK  | 100     | 0         | 15.23                 | 15.14                    | 15.01                  | 15.5                | 0.0      |
| 20                           | QPSK       | 1       | 1         | 15.24                 | 15.32                    | 15.27                  | 15.5                | 0.0      |
| 20                           | QPSK       | 1       | 53        | 15.20                 | 15.02                    | 15.03                  |                     |          |
| 20                           | QPSK       | 1       | 104       | 15.20                 | 15.09                    | 14.98                  |                     |          |
| 20                           | QPSK       | 50      | 0         | 15.26                 | 15.16                    | 15.01                  | 15.5                | 0.0      |
| 20                           | QPSK       | 50      | 28        | 15.17                 | 15.25                    | 15.23                  |                     |          |
| 20                           | QPSK       | 50      | 56        | 15.24                 | 15.17                    | 15.04                  |                     |          |
| 20                           | QPSK       | 100     | 0         | 15.14                 | 15.18                    | 14.99                  | 15.5                | 0.0      |
| 20                           | 16QAM      | 1       | 1         | 15.09                 | 15.03                    | 15.08                  | 15.5                | 0.0      |
| 20                           | 64QAM      | 1       | 1         | 15.25                 | 15.15                    | 14.91                  | 15.5                | 0.0      |
| 20                           | 256QAM     | 1       | 1         | 15.28                 | 15.09                    | 14.98                  | 15.5                | 0.0      |
| Channel                      |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |          |
| 15                           | QPSK       | 1       | 1         | 15.21                 | 15.23                    | 15.11                  | 15.5                | 0.0      |
| Channel                      |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 1855                  | 1880                     | 1905                   |                     |          |
| 10                           | QPSK       | 1       | 1         | 15.13                 | 15.14                    | 15.08                  | 15.5                | 0.0      |
| Channel                      |            |         |           | 370500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 1852.5                | 1880                     | 1907.5                 |                     |          |
| 5                            | QPSK       | 1       | 1         | 15.07                 | 14.86                    | 15.03                  | 15.5                | 0.0      |

| n66 (only SCS15KHz has 5M BW) |            |         |           |                       |                          |                        |                     |          |
|-------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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                       |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |
| 20                            | PI/2 BPSK  | 1       | 1         | 15.75                 | 15.66                    | 15.64                  | 16.5                | 0.0      |
| 20                            | PI/2 BPSK  | 1       | 53        | 15.73                 | 15.89                    | 15.65                  |                     |          |
| 20                            | PI/2 BPSK  | 1       | 104       | 15.70                 | 15.63                    | 15.59                  |                     |          |
| 20                            | PI/2 BPSK  | 50      | 0         | 15.65                 | 15.60                    | 15.53                  | 16.5                | 0.0      |
| 20                            | PI/2 BPSK  | 50      | 28        | 15.63                 | 15.54                    | 15.55                  |                     |          |
| 20                            | PI/2 BPSK  | 50      | 56        | 15.56                 | 15.55                    | 15.49                  |                     |          |
| 20                            | PI/2 BPSK  | 100     | 0         | 15.62                 | 15.53                    | 15.54                  | 16.5                | 0.0      |
| 20                            | QPSK       | 1       | 1         | 15.84                 | 15.91                    | 15.86                  | 16.5                | 0.0      |
| 20                            | QPSK       | 1       | 53        | 15.75                 | 15.88                    | 15.47                  |                     |          |
| 20                            | QPSK       | 1       | 104       | 15.79                 | 15.53                    | 15.51                  |                     |          |
| 20                            | QPSK       | 50      | 0         | 15.66                 | 15.66                    | 15.58                  | 16.5                | 0.0      |
| 20                            | QPSK       | 50      | 28        | 15.67                 | 15.78                    | 15.63                  |                     |          |
| 20                            | QPSK       | 50      | 56        | 15.63                 | 15.53                    | 15.49                  |                     |          |
| 20                            | QPSK       | 100     | 0         | 15.64                 | 15.67                    | 15.56                  | 16.5                | 0.0      |
| 20                            | 16QAM      | 1       | 1         | 15.78                 | 15.60                    | 15.46                  | 16.5                | 0.0      |
| 20                            | 64QAM      | 1       | 1         | 15.75                 | 15.55                    | 15.50                  | 16.5                | 0.0      |
| 20                            | 256QAM     | 1       | 1         | 15.58                 | 15.59                    | 15.51                  | 16.5                | 0.0      |
| Channel                       |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |
| 15                            | QPSK       | 1       | 1         | 15.63                 | 15.48                    | 15.68                  | 16.5                | 0.0      |
| Channel                       |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |
| 10                            | QPSK       | 1       | 1         | 15.71                 | 15.52                    | 15.71                  | 16.5                | 0.0      |
| Channel                       |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |
| 5                             | QPSK       | 1       | 1         | 15.62                 | 15.56                    | 15.58                  | 16.5                | 0.0      |

**UAT Reduced power - DS13 for Body worn / Hotspot**

| n2 (only SCS15KHz has 5M BW) |            |         |           |                       |                          |                        |                     |          |
|------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         | 15.54                 | 15.80                    | 15.69                  | 16.0                | 0.0      |
| 20                           | PI/2 BPSK  | 1       | 53        | 15.65                 | 15.62                    | 15.50                  |                     |          |
| 20                           | PI/2 BPSK  | 1       | 104       | 15.50                 | 15.74                    | 15.58                  |                     |          |
| 20                           | PI/2 BPSK  | 50      | 0         | 15.53                 | 15.77                    | 15.64                  | 16.0                | 0.0      |
| 20                           | PI/2 BPSK  | 50      | 28        | 15.79                 | 15.68                    | 15.66                  |                     |          |
| 20                           | PI/2 BPSK  | 50      | 56        | 15.63                 | 15.68                    | 15.50                  |                     |          |
| 20                           | PI/2 BPSK  | 100     | 0         | 15.63                 | 15.73                    | 15.52                  | 16.0                | 0.0      |
| 20                           | QPSK       | 1       | 1         | 15.68                 | 15.87                    | 15.68                  | 16.0                | 0.0      |
| 20                           | QPSK       | 1       | 53        | 15.61                 | 15.73                    | 15.63                  |                     |          |
| 20                           | QPSK       | 1       | 104       | 15.84                 | 15.66                    | 15.56                  |                     |          |
| 20                           | QPSK       | 50      | 0         | 15.62                 | 15.69                    | 15.65                  | 16.0                | 0.0      |
| 20                           | QPSK       | 50      | 28        | 15.72                 | 15.81                    | 15.60                  |                     |          |
| 20                           | QPSK       | 50      | 56        | 15.71                 | 15.65                    | 15.64                  |                     |          |
| 20                           | QPSK       | 100     | 0         | 15.65                 | 15.67                    | 15.63                  | 16.0                | 0.0      |
| 20                           | 16QAM      | 1       | 1         | 15.56                 | 15.68                    | 15.68                  | 16.0                | 0.0      |
| 20                           | 64QAM      | 1       | 1         | 15.68                 | 15.77                    | 15.62                  | 16.0                | 0.0      |
| 20                           | 256QAM     | 1       | 1         | 15.63                 | 15.76                    | 15.45                  | 16.0                | 0.0      |
| Channel                      |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |          |
| 15                           | QPSK       | 1       | 1         | 15.46                 | 15.62                    | 15.68                  | 16.0                | 0.0      |
| Channel                      |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 1855                  | 1880                     | 1905                   |                     |          |
| 10                           | QPSK       | 1       | 1         | 15.52                 | 15.57                    | 15.43                  | 16.0                | 0.0      |
| Channel                      |            |         |           | 370500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 1852.5                | 1880                     | 1907.5                 |                     |          |
| 5                            | QPSK       | 1       | 1         | 15.61                 | 15.47                    | 15.51                  | 16.0                | 0.0      |

| n66 (only SCS15KHz has 5M BW) |            |         |           |                       |                          |                        |                     |          |
|-------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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                       |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |
| 20                            | PI/2 BPSK  | 1       | 1         | 16.35                 | 16.15                    | 16.19                  | 17.0                | 0.0      |
| 20                            | PI/2 BPSK  | 1       | 53        | 16.47                 | 16.45                    | 16.28                  |                     |          |
| 20                            | PI/2 BPSK  | 1       | 104       | 16.33                 | 16.19                    | 16.17                  |                     |          |
| 20                            | PI/2 BPSK  | 50      | 0         | 16.22                 | 16.07                    | 16.15                  | 17.0                | 0.0      |
| 20                            | PI/2 BPSK  | 50      | 28        | 16.23                 | 16.16                    | 16.06                  |                     |          |
| 20                            | PI/2 BPSK  | 50      | 56        | 16.17                 | 16.13                    | 16.05                  |                     |          |
| 20                            | PI/2 BPSK  | 100     | 0         | 16.21                 | 16.15                    | 16.11                  | 17.0                | 0.0      |
| 20                            | QPSK       | 1       | 1         | 16.45                 | 16.56                    | 16.48                  | 17.0                | 0.0      |
| 20                            | QPSK       | 1       | 53        | 16.44                 | 16.41                    | 16.25                  |                     |          |
| 20                            | QPSK       | 1       | 104       | 16.31                 | 16.10                    | 16.14                  |                     |          |
| 20                            | QPSK       | 50      | 0         | 16.25                 | 16.09                    | 16.13                  | 17.0                | 0.0      |
| 20                            | QPSK       | 50      | 28        | 16.43                 | 16.48                    | 16.41                  |                     |          |
| 20                            | QPSK       | 50      | 56        | 16.16                 | 16.13                    | 16.09                  |                     |          |
| 20                            | QPSK       | 100     | 0         | 16.21                 | 16.35                    | 16.10                  | 17.0                | 0.0      |
| 20                            | 16QAM      | 1       | 1         | 16.18                 | 16.07                    | 16.09                  | 17.0                | 0.0      |
| 20                            | 64QAM      | 1       | 1         | 16.33                 | 16.18                    | 16.12                  | 17.0                | 0.0      |
| 20                            | 256QAM     | 1       | 1         | 16.30                 | 16.09                    | 16.23                  | 17.0                | 0.0      |
| Channel                       |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |
| 15                            | QPSK       | 1       | 1         | 16.21                 | 15.98                    | 16.09                  | 17.0                | 0.0      |
| Channel                       |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |
| 10                            | QPSK       | 1       | 1         | 15.99                 | 16.03                    | 16.04                  | 17.0                | 0.0      |
| Channel                       |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |
| 5                             | QPSK       | 1       | 1         | 15.98                 | 16.12                    | 16.12                  | 17.0                | 0.0      |

UAT Reduced power - DS16 for Handheld

| n2 (only SCS15KHz has 5M BW) |            |         |           |                       |                          |                        |                     |          |
|------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         | 20.79                 | 20.77                    | 20.58                  | 21.0                | 0.0      |
| 20                           | PI/2 BPSK  | 1       | 53        | 20.79                 | 20.67                    | 20.69                  |                     |          |
| 20                           | PI/2 BPSK  | 1       | 104       | 20.67                 | 20.61                    | 20.54                  |                     |          |
| 20                           | PI/2 BPSK  | 50      | 0         | 20.67                 | 20.69                    | 20.59                  | 21.0                | 0.0      |
| 20                           | PI/2 BPSK  | 50      | 28        | 20.75                 | 20.69                    | 20.51                  |                     |          |
| 20                           | PI/2 BPSK  | 50      | 56        | 20.69                 | 20.66                    | 20.48                  |                     |          |
| 20                           | PI/2 BPSK  | 100     | 0         | 20.73                 | 20.66                    | 20.50                  | 21.0                | 0.0      |
| 20                           | QPSK       | 1       | 1         | 20.68                 | 20.82                    | 20.73                  | 21.0                | 0.0      |
| 20                           | QPSK       | 1       | 53        | 20.66                 | 20.76                    | 20.67                  |                     |          |
| 20                           | QPSK       | 1       | 104       | 20.61                 | 20.69                    | 20.51                  |                     |          |
| 20                           | QPSK       | 50      | 0         | 20.70                 | 20.63                    | 20.59                  | 21.0                | 0.0      |
| 20                           | QPSK       | 50      | 28        | 20.64                 | 20.74                    | 20.58                  |                     |          |
| 20                           | QPSK       | 50      | 56        | 20.71                 | 20.70                    | 20.53                  |                     |          |
| 20                           | QPSK       | 100     | 0         | 20.69                 | 20.73                    | 20.52                  | 21.0                | 0.0      |
| 20                           | 16QAM      | 1       | 1         | 20.70                 | 20.67                    | 20.57                  | 21.0                | 0.0      |
| 20                           | 64QAM      | 1       | 1         | 20.75                 | 20.78                    | 20.63                  | 21.0                | 0.0      |
| 20                           | 256QAM     | 1       | 1         | 19.01                 | 19.31                    | 19.10                  | 19.5                | 1.5      |
| Channel                      |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |          |
| 15                           | QPSK       | 1       | 1         | 20.40                 | 20.52                    | 20.39                  | 21.0                | 0.0      |
| Channel                      |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 1855                  | 1880                     | 1905                   |                     |          |
| 10                           | QPSK       | 1       | 1         | 20.46                 | 20.61                    | 20.49                  | 21.0                | 0.0      |
| Channel                      |            |         |           | 370500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)              |            |         |           | 1852.5                | 1880                     | 1907.5                 |                     |          |
| 5                            | QPSK       | 1       | 1         | 20.58                 | 20.67                    | 20.51                  | 21.0                | 0.0      |

| n66 (only SCS15KHz has 5M BW) |            |         |           |                       |                          |                        |                     |          |
|-------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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                       |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |
| 20                            | PI/2 BPSK  | 1       | 1         | 20.40                 | 20.21                    | 20.31                  | 21.0                | 0.0      |
| 20                            | PI/2 BPSK  | 1       | 53        | 20.33                 | 20.28                    | 20.56                  |                     |          |
| 20                            | PI/2 BPSK  | 1       | 104       | 20.41                 | 20.23                    | 20.19                  |                     |          |
| 20                            | PI/2 BPSK  | 50      | 0         | 20.27                 | 20.24                    | 20.23                  | 21.0                | 0.0      |
| 20                            | PI/2 BPSK  | 50      | 28        | 20.29                 | 20.23                    | 20.16                  |                     |          |
| 20                            | PI/2 BPSK  | 50      | 56        | 20.32                 | 20.18                    | 20.15                  |                     |          |
| 20                            | PI/2 BPSK  | 100     | 0         | 20.30                 | 20.25                    | 20.15                  | 21.0                | 0.0      |
| 20                            | QPSK       | 1       | 1         | 20.60                 | 20.67                    | 20.58                  | 21.0                | 0.0      |
| 20                            | QPSK       | 1       | 53        | 20.54                 | 20.28                    | 20.43                  |                     |          |
| 20                            | QPSK       | 1       | 104       | 20.62                 | 20.23                    | 20.19                  |                     |          |
| 20                            | QPSK       | 50      | 0         | 20.33                 | 20.25                    | 20.21                  | 21.0                | 0.0      |
| 20                            | QPSK       | 50      | 28        | 20.53                 | 20.57                    | 20.51                  |                     |          |
| 20                            | QPSK       | 50      | 56        | 20.39                 | 20.15                    | 20.15                  |                     |          |
| 20                            | QPSK       | 100     | 0         | 20.41                 | 20.49                    | 20.37                  | 21.0                | 0.0      |
| 20                            | 16QAM      | 1       | 1         | 20.46                 | 20.46                    | 20.15                  | 21.0                | 0.0      |
| 20                            | 64QAM      | 1       | 1         | 20.48                 | 20.34                    | 20.26                  | 21.0                | 0.0      |
| 20                            | 256QAM     | 1       | 1         | 19.47                 | 19.38                    | 19.15                  | 19.5                | 1.5      |
| Channel                       |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |
| 15                            | QPSK       | 1       | 1         | 20.12                 | 20.15                    | 20.09                  | 21.0                | 0.0      |
| Channel                       |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |
| 10                            | QPSK       | 1       | 1         | 20.15                 | 20.02                    | 20.13                  | 21.0                | 0.0      |
| Channel                       |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)               |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |
| 5                             | QPSK       | 1       | 1         | 19.98                 | 20.05                    | 20.10                  | 21.0                | 0.0      |

| LAT Full Power - DSI 2/3/4/6        |             |            |         |           |         |           |               |                       |                      |                     |
|-------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_5B                               |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 10MHz+10MHz (50RB+50RB) |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                         | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                     |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 20450                               | 20549       | QPSK       | 1       | 49        | 1       | 0         | 1             | 0                     | 22.95                | 24.00               |
| 20575                               | 20476       | QPSK       | 1       | 0         | 1       | 49        | 1             | 0                     | 22.91                | 24.00               |
| 20600                               | 20501       | QPSK       | 1       | 0         | 1       | 49        | 1             | 0                     | 22.94                | 24.00               |

| LAT Reduced Power - DSI3 for Body worn / Hotspot |             |            |         |           |         |           |               |                       |                      |                     |
|--------------------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_5B                                            |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 10MHz+10MHz (50RB+50RB)              |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                                      | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                                  |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 20450                                            | 20549       | QPSK       | 1       | 49        | 1       | 0         | 1             | 0                     | 22.64                | 23.70               |
| 20575                                            | 20476       | QPSK       | 1       | 0         | 1       | 49        | 1             | 0                     | 22.62                | 23.70               |
| 20600                                            | 20501       | QPSK       | 1       | 0         | 1       | 49        | 1             | 0                     | 22.54                | 23.70               |

| LAT Full Power - DSI 2/3/4/6       |             |            |         |           |         |           |               |                       |                      |                     |
|------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_66B                             |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 15MHz+5MHz (75RB+25RB) |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                        | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                    |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 132047                             | 132140      | QPSK       | 1       | 74        | 1       | 0         | 1             | 0                     | 22.78                | 24.00               |
| 132322                             | 132229      | QPSK       | 1       | 0         | 1       | 24        | 1             | 0                     | 22.79                | 24.00               |
| 132597                             | 132504      | QPSK       | 1       | 0         | 1       | 24        | 1             | 0                     | 22.73                | 24.00               |

  

| LAT Reduced Power - DSI3 for Body worn / Hotspot |             |            |         |           |         |           |               |                       |                      |                     |
|--------------------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_66B                                           |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 15MHz+5MHz (75RB+25RB)               |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                                      | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                                  |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 132047                                           | 132140      | QPSK       | 1       | 74        | 1       | 0         | 1             | 0                     | 14.91                | 16.10               |
| 132322                                           | 132229      | QPSK       | 1       | 0         | 1       | 24        | 1             | 0                     | 15.13                | 16.10               |
| 132597                                           | 132504      | QPSK       | 1       | 0         | 1       | 24        | 1             | 0                     | 15.10                | 16.10               |

  

| LAT Reduced Power - DSI6 for Handheld |             |            |         |           |         |           |               |                       |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_66B                                |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 15MHz+5MHz (75RB+25RB)    |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 132047                                | 132140      | QPSK       | 1       | 74        | 1       | 0         | 1             | 0                     | 19.04                | 20.20               |
| 132322                                | 132229      | QPSK       | 1       | 0         | 1       | 24        | 1             | 0                     | 19.38                | 20.20               |
| 132597                                | 132504      | QPSK       | 1       | 0         | 1       | 24        | 1             | 0                     | 19.18                | 20.20               |

### LAT Full Power - DSI 2/3/4/6

| CA_66C                                |             |            |         |           |         |           |               |                       |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 132072                                | 132270      | QPSK       | 1       | 99        | 1       | 0         | 1             | 0                     | 22.96                | 24.00               |
| 132322                                | 132124      | QPSK       | 1       | 0         | 1       | 99        | 1             | 0                     | 22.93                | 24.00               |
| 132572                                | 132374      | QPSK       | 1       | 0         | 1       | 99        | 1             | 0                     | 22.87                | 24.00               |

### LAT Reduced Power - DSI3 for Body worn / Hotspot

| CA_66C                                |             |            |         |           |         |           |               |                       |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 132072                                | 132270      | QPSK       | 1       | 99        | 1       | 0         | 1             | 0                     | 15.34                | 16.10               |
| 132322                                | 132124      | QPSK       | 1       | 0         | 1       | 99        | 1             | 0                     | 15.35                | 16.10               |
| 132572                                | 132374      | QPSK       | 1       | 0         | 1       | 99        | 1             | 0                     | 15.33                | 16.10               |

### LAT Reduced Power - DSI6 for Handheld

| CA_66C                                |             |            |         |           |         |           |               |                       |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 132072                                | 132270      | QPSK       | 1       | 99        | 1       | 0         | 1             | 0                     | 19.25                | 20.20               |
| 132322                                | 132124      | QPSK       | 1       | 0         | 1       | 99        | 1             | 0                     | 19.31                | 20.20               |
| 132572                                | 132374      | QPSK       | 1       | 0         | 1       | 99        | 1             | 0                     | 19.48                | 20.20               |

|                                     |             |            |         |           |         |           |               |                       |                      |                     |
|-------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| UAT Full Power - DSI 2/3/4/6        |             |            |         |           |         |           |               |                       |                      |                     |
| CA_5B                               |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 10MHz+10MHz (50RB+50RB) |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                         | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                     |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 20450                               | 20549       | QPSK       | 1       | 49        | 1       | 0         | 1             | 0                     | 22.69                | 23.50               |
| 20575                               | 20476       | QPSK       | 1       | 0         | 1       | 49        | 1             | 0                     | 22.64                | 23.50               |
| 20600                               | 20501       | QPSK       | 1       | 0         | 1       | 49        | 1             | 0                     | 22.56                | 23.50               |

| UAT Full Power - DSI 2/3/4/6       |             |            |         |           |         |           |               |                       |                      |                     |
|------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_66B                             |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 15MHz+5MHz (75RB+25RB) |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                        | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                    |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 132047                             | 132140      | QPSK       | 1       | 74        | 1       | 0         | 1             | 0                     | 21.87                | 23.00               |
| 132322                             | 132229      | QPSK       | 1       | 0         | 1       | 24        | 1             | 0                     | 21.89                | 23.00               |
| 132597                             | 132504      | QPSK       | 1       | 0         | 1       | 24        | 1             | 0                     | 21.75                | 23.00               |

| LAT Reduced Power - DSI2 for Head  |             |            |         |           |         |           |               |                       |                      |                     |
|------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_66B                             |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 15MHz+5MHz (75RB+25RB) |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                        | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                    |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 132047                             | 132140      | QPSK       | 1       | 74        | 1       | 0         | 1             | 0                     | 13.78                | 14.90               |
| 132322                             | 132229      | QPSK       | 1       | 0         | 1       | 24        | 1             | 0                     | 13.94                | 14.90               |
| 132597                             | 132504      | QPSK       | 1       | 0         | 1       | 24        | 1             | 0                     | 13.88                | 14.90               |

| LAT Reduced Power - DSI3 for Body worn / Hotspot |             |            |         |           |         |           |               |                       |                      |                     |
|--------------------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_66B                                           |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 15MHz+5MHz (75RB+25RB)               |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                                      | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                                  |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 132047                                           | 132140      | QPSK       | 1       | 74        | 1       | 0         | 1             | 0                     | 15.00                | 15.90               |
| 132322                                           | 132229      | QPSK       | 1       | 0         | 1       | 24        | 1             | 0                     | 15.02                | 15.90               |
| 132597                                           | 132504      | QPSK       | 1       | 0         | 1       | 24        | 1             | 0                     | 14.95                | 15.90               |

| LAT Reduced Power - DSI6 for Handheld |             |            |         |           |         |           |               |                       |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_66B                                |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 15MHz+5MHz (75RB+25RB)    |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 132047                                | 132140      | QPSK       | 1       | 74        | 1       | 0         | 1             | 0                     | 19.05                | 19.90               |
| 132322                                | 132229      | QPSK       | 1       | 0         | 1       | 24        | 1             | 0                     | 18.98                | 19.90               |
| 132597                                | 132504      | QPSK       | 1       | 0         | 1       | 24        | 1             | 0                     | 18.88                | 19.90               |

| UAT Full Power - DSI 2/3/4/6          |             |            |         |           |         |           |               |                       |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_66C                                |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 132072                                | 132270      | QPSK       | 1       | 99        | 1       | 0         | 1             | 0                     | 22.23                | 23.00               |
| 132322                                | 132124      | QPSK       | 1       | 0         | 1       | 99        | 1             | 0                     | 22.10                | 23.00               |
| 132572                                | 132374      | QPSK       | 1       | 0         | 1       | 99        | 1             | 0                     | 22.03                | 23.00               |

| LAT Reduced Power - DSI2 for Head     |             |            |         |           |         |           |               |                       |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_66C                                |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 132072                                | 132270      | QPSK       | 1       | 99        | 1       | 0         | 1             | 0                     | 14.20                | 14.90               |
| 132322                                | 132124      | QPSK       | 1       | 0         | 1       | 99        | 1             | 0                     | 14.31                | 14.90               |
| 132572                                | 132374      | QPSK       | 1       | 0         | 1       | 99        | 1             | 0                     | 14.13                | 14.90               |

| LAT Reduced Power - DSI3 for Body worn / Hotspot |             |            |         |           |         |           |               |                       |                      |                     |
|--------------------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_66C                                           |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 20MHz+20MHz (100RB+100RB)            |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                                      | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                                  |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 132072                                           | 132270      | QPSK       | 1       | 99        | 1       | 0         | 1             | 0                     | 15.22                | 15.90               |
| 132322                                           | 132124      | QPSK       | 1       | 0         | 1       | 99        | 1             | 0                     | 15.40                | 15.90               |
| 132572                                           | 132374      | QPSK       | 1       | 0         | 1       | 99        | 1             | 0                     | 15.05                | 15.90               |

| LAT Reduced Power - DSI6 for Handheld |             |            |         |           |         |           |               |                       |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_66C                                |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 132072                                | 132270      | QPSK       | 1       | 99        | 1       | 0         | 1             | 0                     | 19.09                | 19.90               |
| 132322                                | 132124      | QPSK       | 1       | 0         | 1       | 99        | 1             | 0                     | 19.26                | 19.90               |
| 132572                                | 132374      | QPSK       | 1       | 0         | 1       | 99        | 1             | 0                     | 19.21                | 19.90               |

### 3CA DL Full power - DSI 2/3/4/6

#### <Inter-Band for Three Carrier Combination> (three bands)

| Configure    | PCC     |              |          |          |            |      |        |              |                          | SCC1    |     |          |            |                          | SCC2    |     |          |            |                          | Power                  |                           |
|--------------|---------|--------------|----------|----------|------------|------|--------|--------------|--------------------------|---------|-----|----------|------------|--------------------------|---------|-----|----------|------------|--------------------------|------------------------|---------------------------|
|              | LTE     | Antenna Port | BW (MHz) | UL Freq. | UL Channel | Mod. | UL# RB | UL RB Offset | DL Antenna Configuration | LTE     | BW  | DL Freq. | DL Channel | DL Antenna Configuration | LTE     | BW  | DL Freq. | DL Channel | DL Antenna Configuration | With CA Tx Power (dBm) | Without CA Tx Power (dBm) |
|              | Band    |              |          |          |            |      |        |              |                          | Band    |     |          |            |                          | Band    |     |          |            |                          |                        |                           |
| CA_2A-4A-13A | Band 2  | 1            | 20M      | 1880     | 18900      | QPS  | 1      | 0            | 4xMIMO                   | Band 4  | 20M | 2132.5   | 2175       | 4xMIMO                   | Band 13 | 10M | 751      | 5230       |                          | 22.76                  | 23.02                     |
|              | Band 2  | 2            | 20M      | 1880     | 18900      | QPS  | 1      | 0            | 4xMIMO                   | Band 4  | 20M | 2132.5   | 2175       | 4xMIMO                   | Band 13 | 10M | 751      | 5230       |                          | 21.9                   | 21.92                     |
|              | Band 4  | 1            | 20M      | 1732.5   | 20175      | QPS  | 1      | 0            | 4xMIMO                   | Band 13 | 10M | 751      | 5230       |                          | Band 2  | 20M | 1960     | 900        | 4xMIMO                   | 22.72                  | 22.58                     |
|              | Band 4  | 2            | 20M      | 1732.5   | 20175      | QPS  | 1      | 0            | 4xMIMO                   | Band 13 | 10M | 751      | 5230       |                          | Band 2  | 20M | 1960     | 900        | 4xMIMO                   | 21.9                   | 21.99                     |
|              | Band 13 | 1            | 10M      | 782      | 23230      | QPS  | 1      | 0            |                          | Band 2  | 20M | 1960     | 900        | 4xMIMO                   | Band 4  | 20M | 2132.5   | 2175       | 4xMIMO                   | 22.93                  | 22.82                     |

#### <Inter-Band for Three Carrier Combination> (two bands)

| Configure    | PCC     |         |       |        |         |      |     |        |                             | SCC1    |       |        |         |                             | SCC2    |       |        |         |                             | Power             |                   |
|--------------|---------|---------|-------|--------|---------|------|-----|--------|-----------------------------|---------|-------|--------|---------|-----------------------------|---------|-------|--------|---------|-----------------------------|-------------------|-------------------|
|              | LTE     | Antenna | BW    | UL     | UL      | Mod. | UL# | UL     | DL Antenna<br>Configuration | LTE     | BW    | DL     | DL      | DL Antenna<br>Configuration | LTE     | BW    | DL     | DL      | DL Antenna<br>Configuration | With CA           | Without CA        |
|              | Band    | Port    | (MHz) | Freq.  | Channel |      | RB  | Offset |                             | Band    | (MHz) | Freq.  | Channel |                             | Band    | (MHz) | Freq.  | Channel |                             | Tx Power<br>(dBm) | Tx Power<br>(dBm) |
| CA_4A-4A-13A | Band 4  | 1       | 20M   | 1732.5 | 20175   | QPS  | 1   | 0      | 4xMIMO                      | Band 4  | 5M    | 2152.5 | 2375    | 4xMIMO                      | Band 13 | 10M   | 751    | 5230    |                             | 22.62             | 22.58             |
|              | Band 4  | 2       | 20M   | 1732.5 | 20175   | QPS  | 1   | 0      | 4xMIMO                      | Band 4  | 5M    | 2152.5 | 2375    | 4xMIMO                      | Band 13 | 10M   | 751    | 5230    |                             | 21.89             | 21.99             |
|              | Band 13 | 1       | 10M   | 782    | 23230   | QPS  | 1   | 0      |                             | Band 4  | 20M   | 2132.5 | 2175    | 4xMIMO                      | Band 4  | 5M    | 2152.5 | 2375    | 4xMIMO                      | 22.78             | 22.82             |
| CA_66A-66B   | Band 66 | 1       | 20M   | 1745   | 132322  | QPS  | 1   | 0      | 4xMIMO                      | Band 66 | 5M    | 2112.5 | 66461   | 4xMIMO                      | Band 66 | 15M   | 2121.8 | 66554   | 4xMIMO                      | 22.68             | 22.64             |
|              | Band 66 | 2       | 20M   | 1745   | 132322  | QPS  | 1   | 0      | 4xMIMO                      | Band 66 | 5M    | 2112.5 | 66461   | 4xMIMO                      | Band 66 | 15M   | 2121.8 | 66554   | 4xMIMO                      | 21.87             | 21.99             |
|              | Band 66 | 1       | 15M   | 1745   | 132322  | QPS  | 1   | 0      | 4xMIMO                      | Band 66 | 5M    | 2164.3 | 66979   | 4xMIMO                      | Band 66 | 20M   | 2120   | 66536   | 4xMIMO                      | 22.66             | 22.47             |
|              | Band 66 | 2       | 15M   | 1745   | 132322  | QPS  | 1   | 0      | 4xMIMO                      | Band 66 | 5M    | 2164.3 | 66979   | 4xMIMO                      | Band 66 | 20M   | 2120   | 66536   | 4xMIMO                      | 21.88             | 21.91             |
| CA_66A-66C   | Band 66 | 1       | 20M   | 1745   | 132322  | QPS  | 1   | 0      | 4xMIMO                      | Band 66 | 20M   | 2174.8 | 67084   | 4xMIMO                      | Band 66 | 5M    | 2197.5 | 66461   | 4xMIMO                      | 22.89             | 22.84             |
|              | Band 66 | 2       | 20M   | 1745   | 132322  | QPS  | 1   | 0      | 4xMIMO                      | Band 66 | 20M   | 2174.8 | 67084   | 4xMIMO                      | Band 66 | 5M    | 2197.5 | 66461   | 4xMIMO                      | 21.89             | 21.99             |
|              | Band 66 | 1       | 20M   | 1745   | 132322  | QPS  | 1   | 0      | 4xMIMO                      | Band 66 | 5M    | 2197.5 | 66461   | 4xMIMO                      | Band 66 | 20M   | 2209.2 | 66578   | 4xMIMO                      | 22.57             | 22.64             |
|              | Band 66 | 2       | 20M   | 1745   | 132322  | QPS  | 1   | 0      | 4xMIMO                      | Band 66 | 5M    | 2197.5 | 66461   | 4xMIMO                      | Band 66 | 20M   | 2209.2 | 66578   | 4xMIMO                      | 21.88             | 21.99             |
| CA_66D       | Band 66 | 1       | 20M   | 1745   | 132322  | QPS  | 1   | 0      | 4xMIMO                      | Band 66 | 20M   | 2174.8 | 67084   | 4xMIMO                      | Band 29 | 20M   | 2194.6 | 67282   |                             | 22.58             | 22.64             |
|              | Band 66 | 2       | 20M   | 1745   | 132322  | QPS  | 1   | 0      | 4xMIMO                      | Band 66 | 20M   | 2174.8 | 67084   | 4xMIMO                      | Band 29 | 20M   | 2194.6 | 67282   |                             | 21.87             | 21.99             |

## 4CA DL Full power - DSI 2/3/4/6

| Configure          | PCC      |              |          |               |            |      |        |              | DL Antenna Configuration | SCC1     |          |               |            | DL Antenna Configuration | SCC2     |          |               |            | DL Antenna Configuration | SCC3     |          |               |            | Power                    |          |          |               |            |                          |                        |                           |
|--------------------|----------|--------------|----------|---------------|------------|------|--------|--------------|--------------------------|----------|----------|---------------|------------|--------------------------|----------|----------|---------------|------------|--------------------------|----------|----------|---------------|------------|--------------------------|----------|----------|---------------|------------|--------------------------|------------------------|---------------------------|
|                    | LTE Band | Antenna Port | BW (MHz) | UL Freq (MHz) | UL Channel | Mod. | UL# RB | UL RB Offset |                          | LTE Band | BW (MHz) | UL Freq (MHz) | UL Channel |                          | LTE Band | BW (MHz) | UL Freq (MHz) | UL Channel |                          | LTE Band | BW (MHz) | UL Freq (MHz) | UL Channel | DL Antenna Configuration | LTE Band | BW (MHz) | UL Freq (MHz) | UL Channel | DL Antenna Configuration | With CA Tx Power (dBm) | Without CA Tx Power (dBm) |
|                    |          |              |          |               |            |      |        |              |                          |          |          |               |            |                          |          |          |               |            |                          |          |          |               |            |                          |          |          |               |            |                          |                        |                           |
| CA_2A-2A-4A-4A     | Band 2   | 1            | 20M      | 1880          | 1890       | QPSK | 1      | 0            | 4xMIMO                   | Band 2   | 5M       | 1867.5        | 1175       | 4xMIMO                   | Band 4   | 20M      | 1732.5        | 2175       | 4xMIMO                   | Band 4   | 5M       | 2152.5        | 2375       | 4xMIMO                   | 22.58    | 23.02    |               |            |                          |                        |                           |
|                    | Band 2   | 2            | 20M      | 1880          | 1890       | QPSK | 1      | 0            | 4xMIMO                   | Band 2   | 5M       | 1867.5        | 1175       | 4xMIMO                   | Band 4   | 20M      | 1732.5        | 2175       | 4xMIMO                   | Band 4   | 5M       | 2152.5        | 2375       | 4xMIMO                   | 21.88    | 21.92    |               |            |                          |                        |                           |
|                    | Band 4   | 1            | 20M      | 1732.5        | 20175      | QPSK | 1      | 0            | 4xMIMO                   | Band 4   | 5M       | 2152.5        | 2375       | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | Band 2   | 5M       | 1987.5        | 1175       | 4xMIMO                   | 22.60    | 22.58    |               |            |                          |                        |                           |
|                    | Band 4   | 2            | 20M      | 1732.5        | 20175      | QPSK | 1      | 0            | 4xMIMO                   | Band 4   | 5M       | 2152.5        | 2375       | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | Band 2   | 5M       | 1987.5        | 1175       | 4xMIMO                   | 21.93    | 21.99    |               |            |                          |                        |                           |
| CA_2A-2A-4A-5A     | Band 2   | 1            | 20M      | 1880          | 1890       | QPSK | 1      | 0            | 4xMIMO                   | Band 2   | 5M       | 1867.5        | 1175       | 4xMIMO                   | Band 4   | 20M      | 1732.5        | 2175       | 4xMIMO                   | Band 5   | 10M      | 836.5         | 2525       | 4xMIMO                   | 22.56    | 23.02    |               |            |                          |                        |                           |
|                    | Band 2   | 2            | 20M      | 1880          | 1890       | QPSK | 1      | 0            | 4xMIMO                   | Band 2   | 5M       | 1867.5        | 1175       | 4xMIMO                   | Band 4   | 20M      | 1732.5        | 2175       | 4xMIMO                   | Band 5   | 10M      | 836.5         | 2525       | 4xMIMO                   | 21.82    | 21.92    |               |            |                          |                        |                           |
|                    | Band 4   | 1            | 20M      | 1732.5        | 20175      | QPSK | 1      | 0            | 4xMIMO                   | Band 2   | 5M       | 1867.5        | 1175       | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | Band 5   | 10M      | 836.5         | 2525       | 4xMIMO                   | 22.56    | 22.58    |               |            |                          |                        |                           |
|                    | Band 4   | 2            | 20M      | 1732.5        | 20175      | QPSK | 1      | 0            | 4xMIMO                   | Band 2   | 5M       | 1867.5        | 1175       | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | Band 5   | 10M      | 836.5         | 2525       | 4xMIMO                   | 22.04    | 21.99    |               |            |                          |                        |                           |
| CA_2A-2A-5B        | Band 5   | 1            | 10M      | 836.5         | 20525      | QPSK | 1      | 0            | 4xMIMO                   | Band 4   | 20M      | 1732.5        | 2175       | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | Band 2   | 5M       | 1987.5        | 1175       | 4xMIMO                   | 23.01    | 22.94    |               |            |                          |                        |                           |
|                    | Band 5   | 2            | 10M      | 836.5         | 20525      | QPSK | 1      | 0            | 4xMIMO                   | Band 4   | 20M      | 1732.5        | 2175       | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | Band 2   | 5M       | 1987.5        | 1175       | 4xMIMO                   | 22.58    | 22.46    |               |            |                          |                        |                           |
|                    | Band 2   | 1            | 20M      | 1880          | 1890       | QPSK | 1      | 0            | 4xMIMO                   | Band 2   | 5M       | 1867.5        | 1175       | 4xMIMO                   | Band 5   | 10M      | 836.5         | 2525       | 4xMIMO                   | Band 5   | 5M       | 881.2         | 2597       | 4xMIMO                   | 21.90    | 21.92    |               |            |                          |                        |                           |
|                    | Band 2   | 2            | 20M      | 1880          | 1890       | QPSK | 1      | 0            | 4xMIMO                   | Band 2   | 5M       | 1867.5        | 1175       | 4xMIMO                   | Band 5   | 10M      | 836.5         | 2525       | 4xMIMO                   | Band 5   | 5M       | 881.2         | 2597       | 4xMIMO                   | 22.56    | 23.02    |               |            |                          |                        |                           |
| CA_2A-2A-5A-6A     | Band 5   | 1            | 10M      | 836.5         | 20525      | QPSK | 1      | 0            | 4xMIMO                   | Band 5   | 5M       | 881.2         | 2597       | 4xMIMO                   | Band 5   | 10M      | 836.5         | 2525       | 4xMIMO                   | Band 5   | 5M       | 881.2         | 2597       | 4xMIMO                   | 21.90    | 21.92    |               |            |                          |                        |                           |
|                    | Band 5   | 2            | 10M      | 836.5         | 20525      | QPSK | 1      | 0            | 4xMIMO                   | Band 5   | 5M       | 881.2         | 2597       | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | Band 2   | 5M       | 1987.5        | 1175       | 4xMIMO                   | 22.37    | 22.46    |               |            |                          |                        |                           |
|                    | Band 2   | 1            | 20M      | 1880          | 1890       | QPSK | 1      | 0            | 4xMIMO                   | Band 2   | 5M       | 1867.5        | 1175       | 4xMIMO                   | Band 5   | 10M      | 836.5         | 2525       | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | 22.61    | 23.02    |               |            |                          |                        |                           |
|                    | Band 2   | 2            | 20M      | 1880          | 1890       | QPSK | 1      | 0            | 4xMIMO                   | Band 2   | 5M       | 1867.5        | 1175       | 4xMIMO                   | Band 5   | 10M      | 836.5         | 2525       | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | 21.98    | 21.92    |               |            |                          |                        |                           |
| CA_2A-2A-13A-6A    | Band 5   | 1            | 10M      | 836.5         | 20525      | QPSK | 1      | 0            | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | Band 2   | 5M       | 1987.5        | 1175       | 4xMIMO                   | 22.99    | 22.94    |               |            |                          |                        |                           |
|                    | Band 5   | 2            | 10M      | 836.5         | 20525      | QPSK | 1      | 0            | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | Band 2   | 5M       | 1987.5        | 1175       | 4xMIMO                   | 22.35    | 22.46    |               |            |                          |                        |                           |
|                    | Band 66  | 1            | 20M      | 1745          | 132322     | QPSK | 1      | 0            | 4xMIMO                   | Band 5   | 10M      | 836.5         | 2525       | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | Band 2   | 5M       | 1987.5        | 1175       | 4xMIMO                   | 22.70    | 22.64    |               |            |                          |                        |                           |
|                    | Band 66  | 2            | 20M      | 1745          | 132322     | QPSK | 1      | 0            | 4xMIMO                   | Band 5   | 10M      | 836.5         | 2525       | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | Band 2   | 5M       | 1987.5        | 1175       | 4xMIMO                   | 22.03    | 21.99    |               |            |                          |                        |                           |
| CA_2A-2A-13A-6A-6A | Band 2   | 1            | 20M      | 1880          | 1890       | QPSK | 1      | 0            | 4xMIMO                   | Band 2   | 5M       | 1867.5        | 1175       | 4xMIMO                   | Band 13  | 10M      | 751           | 5230       | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | 22.52    | 23.02    |               |            |                          |                        |                           |
|                    | Band 2   | 2            | 20M      | 1880          | 1890       | QPSK | 1      | 0            | 4xMIMO                   | Band 2   | 5M       | 1867.5        | 1175       | 4xMIMO                   | Band 13  | 10M      | 751           | 5230       | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | 21.97    | 21.92    |               |            |                          |                        |                           |
|                    | Band 13  | 1            | 10M      | 707.5         | 23230      | QPSK | 1      | 0            | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | Band 2   | 5M       | 1987.5        | 1175       | 4xMIMO                   | 22.98    | 22.82    |               |            |                          |                        |                           |
|                    | Band 66  | 1            | 20M      | 1745          | 132322     | QPSK | 1      | 0            | 4xMIMO                   | Band 13  | 10M      | 751           | 5230       | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | Band 2   | 5M       | 1987.5        | 1175       | 4xMIMO                   | 22.72    | 22.64    |               |            |                          |                        |                           |
| CA_2A-2A-6B        | Band 66  | 2            | 20M      | 1745          | 132322     | QPSK | 1      | 0            | 4xMIMO                   | Band 2   | 5M       | 1867.5        | 1175       | 4xMIMO                   | Band 66  | 15M      | 2155          | 66886      | 4xMIMO                   | Band 66  | 5M       | 2164.3        | 66979      | 4xMIMO                   | 22.54    | 23.02    |               |            |                          |                        |                           |
|                    | Band 2   | 2            | 20M      | 1880          | 1890       | QPSK | 1      | 0            | 4xMIMO                   | Band 2   | 5M       | 1867.5        | 1175       | 4xMIMO                   | Band 66  | 15M      | 2155          | 66886      | 4xMIMO                   | Band 66  | 5M       | 2164.3        | 66979      | 4xMIMO                   | 22.05    | 21.92    |               |            |                          |                        |                           |
|                    | Band 66  | 1            | 20M      | 1745          | 132322     | QPSK | 1      | 0            | 4xMIMO                   | Band 66  | 5M       | 2164.3        | 66979      | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | Band 2   | 5M       | 1987.5        | 1175       | 4xMIMO                   | 22.78    | 22.64    |               |            |                          |                        |                           |
|                    | Band 66  | 2            | 20M      | 1745          | 132322     | QPSK | 1      | 0            | 4xMIMO                   | Band 66  | 5M       | 2164.3        | 66979      | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | Band 2   | 5M       | 1987.5        | 1175       | 4xMIMO                   | 22.07    | 21.99    |               |            |                          |                        |                           |
| CA_2A-2A-6C        | Band 2   | 1            | 20M      | 1880          | 1890       | QPSK | 1      | 0            | 4xMIMO                   | Band 2   | 5M       | 1867.5        | 1175       | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | Band 66  | 5M       | 2174.8        | 67084      | 4xMIMO                   | 22.61    | 23.02    |               |            |                          |                        |                           |
|                    | Band 2   | 2            | 20M      | 1880          | 1890       | QPSK | 1      | 0            | 4xMIMO                   | Band 2   | 5M       | 1867.5        | 1175       | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | Band 66  | 5M       | 2174.8        | 67084      | 4xMIMO                   | 21.95    | 21.92    |               |            |                          |                        |                           |
|                    | Band 66  | 1            | 20M      | 1745          | 132322     | QPSK | 1      | 0            | 4xMIMO                   | Band 66  | 20M      | 2164.8        | 66984      | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | Band 2   | 5M       | 1987.5        | 1175       | 4xMIMO                   | 22.67    | 22.64    |               |            |                          |                        |                           |
|                    | Band 66  | 2            | 20M      | 1745          | 132322     | QPSK | 1      | 0            | 4xMIMO                   | Band 66  | 20M      | 2164.8        | 66984      | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | Band 2   | 5M       | 1987.5        | 1175       | 4xMIMO                   | 21.95    | 21.99    |               |            |                          |                        |                           |
| CA_2A-2A-6A-6A-6A  | Band 66  | 2            | 20M      | 1745          | 132322     | QPSK | 1      | 0            | 4xMIMO                   | Band 66  | 20M      | 2164.8        | 66984      | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | Band 66  | 5M       | 2197.5        | 67311      | 4xMIMO                   | 22.65    | 23.02    |               |            |                          |                        |                           |
|                    | Band 2   | 2            | 20M      | 1880          | 1890       | QPSK | 1      | 0            | 4xMIMO                   | Band 2   | 5M       | 1867.5        | 1175       | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | Band 66  | 5M       | 2197.5        | 67311      | 4xMIMO                   | 22.01    | 21.92    |               |            |                          |                        |                           |
|                    | Band 66  | 1            | 20M      | 1745          | 132322     | QPSK | 1      | 0            | 4xMIMO                   | Band 66  | 5M       | 2197.5        | 67311      | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | Band 2   | 5M       | 1987.5        | 1175       | 4xMIMO                   | 22.63    | 22.64    |               |            |                          |                        |                           |
|                    | Band 66  | 2            | 20M      | 1745          | 132322     | QPSK | 1      | 0            | 4xMIMO                   | Band 66  | 5M       | 2197.5        | 67311      | 4xMIMO                   | Band 13  | 10M      | 751           | 5230       | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | 22.06    | 21.99    |               |            |                          |                        |                           |
| CA_2A-6A-6A-6A-6A  | Band 2   | 1            | 20M      | 1880          | 1890       | QPSK | 1      | 0            | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | 22.61    | 23.02    |               |            |                          |                        |                           |
|                    | Band 2   | 2            | 20M      | 1880          | 1890       | QPSK | 1      | 0            | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | 22.08    | 21.92    |               |            |                          |                        |                           |
|                    | Band 66  | 1            | 20M      | 1745          | 132322     | QPSK | 1      | 0            | 4xMIMO                   | Band 66  | 5M       | 2197.5        | 67311      | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | 22.53    | 22.64    |               |            |                          |                        |                           |
|                    | Band 66  | 2            | 20M      | 1745          | 132322     | QPSK | 1      | 0            | 4xMIMO                   | Band 66  | 5M       | 2197.5        | 67311      | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | Band 2   | 20M      | 1880          | 900        | 4xMIMO                   | 21.97    | 21.99    |               |            |                          |                        |                           |
| CA_5B-6A-6A        | Band 5   | 1            | 10M      | 836.5         | 20525      | QPSK | 1      | 0            | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | 23.12    | 22.94    |               |            |                          |                        |                           |
|                    | Band 5   | 2            | 10M      | 836.5         | 20525      | QPSK | 1      | 0            | 4xMIMO                   | Band 5   | 5M       | 881.2         | 2597       | 4xMIMO                   | Band 66  | 20M      | 2155          | 66886      | 4xMIMO                   | Band 66  | 5M       | 2197.5        | 67311      | 4xMIMO                   | 22.47    | 22.46    |               |            |                          |                        |                           |
|                    | Band 66  | 1            | 20M      | 1745          | 132322     | QPSK | 1      | 0            | 4xMIMO                   | Band 66  | 5M       | 2197.5        | 67311      | 4xMIMO                   | Band 5   | 10M      | 836.5         | 2525       | 4xMIMO                   | Band 5   | 5M       | 881.2         | 2597       | 4xMIMO                   | 22.67    | 22.64    |               |            |                          |                        |                           |
|                    | Band 66  | 2            | 20M      | 1745          | 132322     | QPSK | 1      | 0            | 4xMIMO                   | Band 66  | 5M       | 2197.5        | 67311      | 4xMIMO                   | Band 5   | 10M      | 836.5         | 2525       | 4xMIMO                   | Band 5   | 5M       | 881.2         | 2597       | 4xMIMO                   | 21.85    | 21.99    |               |            |                          |                        |                           |
| CA_13A-6A-6A-6A-6A | Band 13  | 1            | 10M      | 23230         | 782        | QPSK | 1      | 0            | 4xMIMO                   | Band 66  | 20M      |               |            |                          |          |          |               |            |                          |          |          |               |            |                          |          |          |               |            |                          |                        |                           |



| 2.4GHz WLAN | Ant 3+6 Full Power & Handheld -Standalone |         |                 |                     |               |              |
|-------------|-------------------------------------------|---------|-----------------|---------------------|---------------|--------------|
| 2.4GHz WLAN | Mode                                      | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11b 1Mbps                             | 1       | 2412            | 22.11               | 22.50         | 100          |
|             |                                           | 6       | 2437            | 22.12               | 22.50         |              |
|             |                                           | 11      | 2462            | 22.11               | 22.50         |              |
|             | 802.11g 6Mbps                             | 1       | 2412            | 20.83               | 21.50         | 98.28        |
|             |                                           | 6       | 2437            | 21.04               | 21.50         |              |
|             |                                           | 11      | 2462            | 19.57               | 21.50         |              |
|             | 802.11n-HT20 MCS0                         | 1       | 2412            | 19.36               | 21.00         | 98.16        |
|             |                                           | 6       | 2437            | 21.22               | 21.50         |              |
|             |                                           | 11      | 2462            | 18.93               | 21.00         |              |

| 2.4GHz WLAN | Ant 3+6 For Head(Rec on)-Standalone |         |                 |                     |               |              |
|-------------|-------------------------------------|---------|-----------------|---------------------|---------------|--------------|
| 2.4GHz WLAN | Mode                                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11b 1Mbps                       | 1       | 2412            | 20.85               | 21.00         | 100          |
|             |                                     | 6       | 2437            | 20.31               | 21.00         |              |
|             |                                     | 11      | 2462            | 20.25               | 21.00         |              |
|             | 802.11g 6Mbps                       | 1       | 2412            | Not Required        | 21.00         | 98.28        |
|             |                                     | 6       | 2437            |                     | 21.00         |              |
|             |                                     | 11      | 2462            |                     | 21.00         |              |
|             | 802.11n-HT20 MCS0                   | 1       | 2412            |                     | 21.00         | 98.16        |
|             |                                     | 6       | 2437            |                     | 21.00         |              |
|             |                                     | 11      | 2462            |                     | 21.00         |              |

| 2.4GHz WLAN | Ant 3+6 For Body Worn/Hotspot-Standalone |         |                 |                     |               |              |
|-------------|------------------------------------------|---------|-----------------|---------------------|---------------|--------------|
| 2.4GHz WLAN | Mode                                     | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11b 1Mbps                            | 1       | 2412            | 20.85               | 21.00         | 100          |
|             |                                          | 6       | 2437            | 20.31               | 21.00         |              |
|             |                                          | 11      | 2462            | 20.25               | 21.00         |              |
|             | 802.11g 6Mbps                            | 1       | 2412            | Not Required        | 21.00         | 98.28        |
|             |                                          | 6       | 2437            |                     | 21.00         |              |
|             |                                          | 11      | 2462            |                     | 21.00         |              |
|             | 802.11n-HT20 MCS0                        | 1       | 2412            |                     | 21.00         | 98.16        |
|             |                                          | 6       | 2437            |                     | 21.00         |              |
|             |                                          | 11      | 2462            |                     | 21.00         |              |

| 5.2GHz WLAN | Ant 5+6 Full Power & Handheld & Head-Standalone |         |                 |                     |               |              |
|-------------|-------------------------------------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.2GHz WLAN | Mode                                            | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps                                   | 36      | 5180            | 19.52               | 21.00         | 98.62        |
|             |                                                 | 40      | 5200            | 20.19               | 21.00         |              |
|             |                                                 | 44      | 5220            | 20.42               | 21.00         |              |
|             |                                                 | 48      | 5240            | 20.58               | 21.00         |              |
|             | 802.11n-HT20 MCS0                               | 36      | 5180            | 19.55               | 20.00         | 97.79        |
|             |                                                 | 40      | 5200            | 19.12               | 20.00         |              |
|             |                                                 | 44      | 5220            | 19.27               | 20.00         |              |
|             |                                                 | 48      | 5240            | 19.52               | 20.00         |              |
|             | 802.11n-HT40 MCS0                               | 38      | 5190            | 11.95               | 13.00         | 96.32        |
|             |                                                 | 46      | 5230            | 18.99               | 20.00         |              |
|             | 802.11ac-VHT20 MCS0                             | 36      | 5180            | 19.57               | 20.00         | 98.89        |
|             |                                                 | 40      | 5200            | 19.06               | 20.00         |              |
|             |                                                 | 44      | 5220            | 19.35               | 20.00         |              |
|             |                                                 | 48      | 5240            | 19.51               | 20.00         |              |
|             | 802.11ac-VHT40 MCS0                             | 38      | 5190            | 11.96               | 13.00         | 96.49        |
|             |                                                 | 46      | 5230            | 19.05               | 20.00         |              |
|             | 802.11ac-VHT80 MCS0                             | 42      | 5210            | 11.74               | 13.00         | 93.06        |

| 5.2GHz WLAN | Ant 5+6 For Body Worn/Hotspot-Standalone |         |                 |                     |               |              |
|-------------|------------------------------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.2GHz WLAN | Mode                                     | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps                            | 36      | 5180            | 13.40               | 14.00         | 98.62        |
|             |                                          | 40      | 5200            | 13.41               | 14.00         |              |
|             |                                          | 44      | 5220            | 13.32               | 14.00         |              |
|             |                                          | 48      | 5240            | 13.38               | 14.00         |              |
|             | 802.11n-HT20 MCS0                        | 36      | 5180            | Not Required        | 13.50         | 97.79        |
|             |                                          | 40      | 5200            |                     | 13.50         |              |
|             |                                          | 44      | 5220            |                     | 13.50         |              |
|             |                                          | 48      | 5240            |                     | 13.50         |              |
|             | 802.11n-HT40 MCS0                        | 38      | 5190            |                     | 13.00         | 96.32        |
|             |                                          | 46      | 5230            |                     | 13.00         |              |
|             | 802.11ac-VHT20 MCS0                      | 36      | 5180            |                     | 13.50         | 98.89        |
|             |                                          | 40      | 5200            |                     | 13.50         |              |
|             |                                          | 44      | 5220            |                     | 13.50         |              |
|             |                                          | 48      | 5240            |                     | 13.50         |              |
|             | 802.11ac-VHT40 MCS0                      | 38      | 5190            |                     | 13.00         | 96.49        |
|             |                                          | 46      | 5230            |                     | 13.00         |              |
|             | 802.11ac-VHT80 MCS0                      | 42      | 5210            |                     | 13.00         | 93.06        |

| 5.3GHz WLAN | Ant 5+6 Full Power & Handheld & Head-Standalone |         |                 |                     |               |              |
|-------------|-------------------------------------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.3GHz WLAN | Mode                                            | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps                                   | 52      | 5260            | 20.35               | 21.00         | 98.62        |
|             |                                                 | 56      | 5280            | 20.42               | 21.00         |              |
|             |                                                 | 60      | 5300            | 20.32               | 21.00         |              |
|             |                                                 | 64      | 5320            | 20.41               | 21.00         |              |
|             | 802.11n-HT20 MCS0                               | 52      | 5260            | 19.36               | 20.00         | 97.79        |
|             |                                                 | 56      | 5280            | 19.34               | 20.00         |              |
|             |                                                 | 60      | 5300            | 19.44               | 20.00         |              |
|             |                                                 | 64      | 5320            | 19.53               | 20.00         |              |
|             | 802.11n-HT40 MCS0                               | 54      | 5270            | 18.80               | 20.00         | 96.32        |
|             |                                                 | 62      | 5310            | 12.78               | 13.00         |              |
|             | 802.11ac-VHT20 MCS0                             | 52      | 5260            | 19.31               | 20.00         | 98.89        |
|             |                                                 | 56      | 5280            | 19.38               | 20.00         |              |
|             |                                                 | 60      | 5300            | 19.41               | 20.00         |              |
|             |                                                 | 64      | 5320            | 19.55               | 20.00         |              |
|             | 802.11ac-VHT40 MCS0                             | 54      | 5270            | 18.91               | 20.00         | 96.49        |
|             |                                                 | 62      | 5310            | 12.83               | 13.00         |              |
|             | 802.11ac-VHT80 MCS0                             | 58      | 5290            | 13.50               | 14.50         | 93.06        |

| 5.3GHz WLAN | Ant 5+6 For Body Worn-Standalone |         |                 |                     |               |              |
|-------------|----------------------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.3GHz WLAN | Mode                             | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps                    | 52      | 5260            | 13.30               | 13.50         | 98.62        |
|             |                                  | 56      | 5280            | 13.34               | 13.50         |              |
|             |                                  | 60      | 5300            | 13.32               | 13.50         |              |
|             |                                  | 64      | 5320            | 13.29               | 13.50         |              |
|             | 802.11n-HT20 MCS0                | 52      | 5260            | Not Required        | 13.50         | 97.79        |
|             |                                  | 56      | 5280            |                     | 13.50         |              |
|             |                                  | 60      | 5300            |                     | 13.50         |              |
|             |                                  | 64      | 5320            |                     | 13.50         |              |
|             | 802.11n-HT40 MCS0                | 54      | 5270            |                     | 13.00         | 96.32        |
|             |                                  | 62      | 5310            |                     | 13.00         |              |
|             | 802.11ac-VHT20 MCS0              | 52      | 5260            |                     | 13.50         | 98.89        |
|             |                                  | 56      | 5280            |                     | 13.50         |              |
|             |                                  | 60      | 5300            |                     | 13.50         |              |
|             |                                  | 64      | 5320            |                     | 13.50         |              |
|             | 802.11ac-VHT40 MCS0              | 54      | 5270            |                     | 13.00         | 96.49        |
|             |                                  | 62      | 5310            |                     | 13.00         |              |
|             | 802.11ac-VHT80 MCS0              | 58      | 5290            |                     | 13.00         | 93.06        |

| 5.5GHz WLAN | Ant 5+6 Full Power & Handheld & Head-Standalone |         |                 |                     |               |              |
|-------------|-------------------------------------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.5GHz WLAN | Mode                                            | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps                                   | 100     | 5500            | 20.59               | 21.50         | 98.62        |
|             |                                                 | 116     | 5580            | 20.77               | 21.50         |              |
|             |                                                 | 132     | 5660            | 20.74               | 21.50         |              |
|             |                                                 | 140     | 5700            | 20.53               | 21.50         |              |
|             | 802.11n-HT20 MCS0                               | 100     | 5500            | 19.61               | 20.00         | 97.79        |
|             |                                                 | 116     | 5580            | 20.20               | 21.00         |              |
|             |                                                 | 132     | 5660            | 19.95               | 20.00         |              |
|             |                                                 | 140     | 5700            | 18.22               | 19.00         |              |
|             | 802.11n-HT40 MCS0                               | 102     | 5510            | 14.55               | 15.50         | 96.32        |
|             |                                                 | 110     | 5550            | 19.21               | 20.00         |              |
|             | 802.11ac-VHT20 MCS0                             | 134     | 5670            | 19.30               | 20.00         | 98.89        |
|             |                                                 | 100     | 5500            | 19.58               | 20.00         |              |
|             |                                                 | 116     | 5580            | 20.21               | 21.00         |              |
|             |                                                 | 132     | 5660            | 19.98               | 21.00         |              |
|             | 802.11ac-VHT40 MCS0                             | 140     | 5700            | 18.26               | 19.50         | 96.49        |
|             |                                                 | 102     | 5510            | 14.58               | 15.50         |              |
|             |                                                 | 110     | 5550            | 19.24               | 20.00         |              |
|             |                                                 | 134     | 5670            | 19.36               | 20.00         |              |
|             | 802.11ac-VHT80 MCS0                             | 106     | 5530            | 12.52               | 13.50         | 93.06        |

| 5.5GHz WLAN | Ant 5+6 For Body Worn-Standalone |         |                 |                     |               |              |
|-------------|----------------------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.5GHz WLAN | Mode                             | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps                    | 100     | 5500            | 13.15               | 14.50         | 98.62        |
|             |                                  | 116     | 5580            | 14.11               | 14.50         |              |
|             |                                  | 132     | 5660            | 13.49               | 14.50         |              |
|             |                                  | 140     | 5700            | 13.33               | 14.50         |              |
|             | 802.11n-HT20 MCS0                | 100     | 5500            | Not Required        | 14.50         | 97.79        |
|             |                                  | 116     | 5580            |                     | 14.50         |              |
|             |                                  | 132     | 5660            |                     | 14.50         |              |
|             |                                  | 140     | 5700            |                     | 14.50         |              |
|             | 802.11n-HT40 MCS0                | 102     | 5510            |                     | 14.00         | 96.32        |
|             |                                  | 110     | 5550            |                     | 14.00         |              |
|             | 802.11ac-VHT20 MCS0              | 134     | 5670            |                     | 14.00         | 98.89        |
|             |                                  | 100     | 5500            |                     | 14.50         |              |
|             |                                  | 116     | 5580            |                     | 14.50         |              |
|             |                                  | 132     | 5660            |                     | 14.50         |              |
|             | 802.11ac-VHT40 MCS0              | 140     | 5700            |                     | 14.50         | 96.49        |
|             |                                  | 102     | 5510            |                     | 14.00         |              |
|             |                                  | 110     | 5550            |                     | 14.00         |              |
|             |                                  | 134     | 5670            |                     | 14.00         |              |
|             | 802.11ac-VHT80 MCS0              | 106     | 5530            |                     | 13.50         | 93.06        |

| 5.8GHz WLAN         | Ant 5+6<br>Full Power & Handheld & Head-Standalone |         |                 |                     |               |              |
|---------------------|----------------------------------------------------|---------|-----------------|---------------------|---------------|--------------|
|                     | Mode                                               | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.8GHz WLAN         | 802.11a 6Mbps                                      | 149     | 5745            | 20.98               | 21.50         | 98.62        |
|                     |                                                    | 157     | 5785            | 20.55               | 21.50         |              |
|                     |                                                    | 165     | 5825            | 20.94               | 21.50         |              |
|                     | 802.11n-HT20 MCS0                                  | 149     | 5745            | 19.98               | 21.00         | 97.79        |
|                     |                                                    | 157     | 5785            | 19.61               | 20.50         |              |
|                     |                                                    | 165     | 5825            | 20.00               | 21.00         |              |
|                     | 802.11n-HT40 MCS0                                  | 151     | 5755            | 19.06               | 20.00         | 96.32        |
|                     |                                                    | 159     | 5795            | 18.94               | 20.00         |              |
|                     | 802.11ac-VHT20 MCS0                                | 149     | 5745            | 20.01               | 21.00         | 96.48        |
|                     |                                                    | 157     | 5785            | 19.61               | 20.50         |              |
|                     |                                                    | 165     | 5825            | 19.96               | 21.00         |              |
| 802.11ac-VHT40 MCS0 | 151                                                | 5755    | 19.14           | 20.00               | 96.49         |              |
|                     | 159                                                | 5795    | 18.93           | 20.00               |               |              |
| 802.11ac-VHT80 MCS0 | 155                                                | 5775    | 19.04           | 20.00               | 93.06         |              |



| 2.4GHz WLAN | Ant 3+6 For Head(Rec on)-Simultaneous |         |                 |                     |               |               |              |
|-------------|---------------------------------------|---------|-----------------|---------------------|---------------|---------------|--------------|
| 2.4GHz WLAN | Mode                                  | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Power Setting | Duty Cycle % |
|             | 802.11b 1Mbps                         | 1       | 2412            | 16.47               | 16.50         | 12.50         | 100          |
|             |                                       | 6       | 2437            | 15.84               | 16.50         | 12.50         |              |
|             |                                       | 11      | 2462            | 15.91               | 16.50         | 12.50         |              |
|             | 802.11g 6Mbps                         | 1       | 2412            | Not Required        | 16.50         | Not Required  | 98.28        |
|             |                                       | 6       | 2437            |                     | 16.50         |               |              |
|             |                                       | 11      | 2462            |                     | 16.50         |               |              |
|             | 802.11n-HT20 MCS0                     | 1       | 2412            |                     | 16.50         |               | 98.16        |
|             |                                       | 6       | 2437            |                     | 16.50         |               |              |
|             |                                       | 11      | 2462            |                     | 16.50         |               |              |

| 2.4GHz WLAN | Ant 3+6 For /Body-worn&Hotspot-Simultaneous |         |                 |                     |               |               |              |
|-------------|---------------------------------------------|---------|-----------------|---------------------|---------------|---------------|--------------|
| 2.4GHz WLAN | Mode                                        | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Power Setting | Duty Cycle % |
|             | 802.11b 1Mbps                               | 1       | 2412            | 16.47               | 16.50         | 12.50         | 100          |
|             |                                             | 6       | 2437            | 15.84               | 16.50         | 12.50         |              |
|             |                                             | 11      | 2462            | 15.91               | 16.50         | 12.50         |              |
|             | 802.11g 6Mbps                               | 1       | 2412            | Not Required        | 16.50         | Not Required  | 98.28        |
|             |                                             | 6       | 2437            |                     | 16.50         |               |              |
|             |                                             | 11      | 2462            |                     | 16.50         |               |              |
|             | 802.11n-HT20 MCS0                           | 1       | 2412            |                     | 16.50         |               | 98.16        |
|             |                                             | 6       | 2437            |                     | 16.50         |               |              |
|             |                                             | 11      | 2462            |                     | 16.50         |               |              |

| 2.4GHz WLAN | Ant 3+6 For Hanheld-Simultaneous |         |                 |                     |               |               |              |
|-------------|----------------------------------|---------|-----------------|---------------------|---------------|---------------|--------------|
| 2.4GHz WLAN | Mode                             | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Power Setting | Duty Cycle % |
|             | 802.11b 1Mbps                    | 1       | 2412            | 20.85               | 21.00         | 17.00         | 100          |
|             |                                  | 6       | 2437            | 20.31               | 21.00         | 17.00         |              |
|             |                                  | 11      | 2462            | 20.25               | 21.00         | 17.00         |              |
|             | 802.11g 6Mbps                    | 1       | 2412            | Not Required        | 21.00         | Not Required  | 98.28        |
|             |                                  | 6       | 2437            |                     | 21.00         |               |              |
|             |                                  | 11      | 2462            |                     | 21.00         |               |              |
|             | 802.11n-HT20 MCS0                | 1       | 2412            |                     | 21.00         |               | 98.16        |
|             |                                  | 6       | 2437            |                     | 21.00         |               |              |
|             |                                  | 11      | 2462            |                     | 21.00         |               |              |

| 5.2GHz WLAN | Ant 5+6 For Body-worn&Hotspot-Simultaneous |         |                 |                     |               |               |              |
|-------------|--------------------------------------------|---------|-----------------|---------------------|---------------|---------------|--------------|
| 5.2GHz WLAN | Mode                                       | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Power Setting | Duty Cycle % |
|             | 802.11a 6Mbps                              | 36      | 5180            | 9.30                | 10.00         | 6.00          | 98.62        |
|             |                                            | 40      | 5200            | 9.24                | 10.00         | 6.00          |              |
|             |                                            | 44      | 5220            | 9.17                | 10.00         | 6.00          |              |
|             |                                            | 48      | 5240            | 9.20                | 10.00         | 6.00          |              |
|             | 802.11n-HT20 MCS0                          | 36      | 5180            | Not Required        | 10.00         | Not Required  | 97.79        |
|             |                                            | 40      | 5200            |                     | 10.00         |               |              |
|             |                                            | 44      | 5220            |                     | 10.00         |               |              |
|             |                                            | 48      | 5240            |                     | 10.00         |               |              |
|             | 802.11n-HT40 MCS0                          | 38      | 5190            |                     | 9.50          |               | 96.32        |
|             |                                            | 46      | 5230            |                     | 9.50          |               |              |
|             |                                            | 38      | 5190            |                     | 10.00         |               | 98.89        |
|             |                                            | 40      | 5200            |                     | 10.00         |               |              |
|             |                                            | 44      | 5220            |                     | 10.00         |               |              |
|             |                                            | 48      | 5240            |                     | 10.00         |               |              |
|             | 802.11ac-VHT40 MCS0                        | 38      | 5190            |                     | 9.50          |               | 96.49        |
|             |                                            | 46      | 5230            |                     | 9.50          |               |              |
|             |                                            | 42      | 5210            |                     | 9.50          |               | 93.06        |
|             |                                            | 42      | 5210            |                     | 9.50          |               |              |

| 5.2GHz WLAN | Ant 5+6 For Hanheld-Simultaneous |         |                 |                     |               |               |              |
|-------------|----------------------------------|---------|-----------------|---------------------|---------------|---------------|--------------|
| 5.2GHz WLAN | Mode                             | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Power Setting | Duty Cycle % |
|             | 802.11a 6Mbps                    | 36      | 5180            | 13.40               | 14.00         | 10.00         | 98.62        |
|             |                                  | 40      | 5200            | 13.41               | 14.00         | 10.00         |              |
|             |                                  | 44      | 5220            | 13.32               | 14.00         | 10.00         |              |
|             |                                  | 48      | 5240            | 13.36               | 14.00         | 10.00         |              |
|             | 802.11n-HT20 MCS0                | 36      | 5180            | Not Required        | 14.00         | Not Required  | 97.79        |
|             |                                  | 40      | 5200            |                     | 14.00         |               |              |
|             |                                  | 44      | 5220            |                     | 14.00         |               |              |
|             |                                  | 48      | 5240            |                     | 14.00         |               |              |
|             | 802.11n-HT40 MCS0                | 38      | 5190            |                     | 13.50         |               | 96.32        |
|             |                                  | 46      | 5230            |                     | 13.50         |               |              |
|             |                                  | 38      | 5190            |                     | 14.00         |               | 98.89        |
|             |                                  | 40      | 5200            |                     | 14.00         |               |              |
|             |                                  | 44      | 5220            |                     | 14.00         |               |              |
|             |                                  | 48      | 5240            |                     | 14.00         |               |              |
|             | 802.11ac-VHT40 MCS0              | 38      | 5190            |                     | 13.50         |               | 96.49        |
|             |                                  | 46      | 5230            |                     | 13.50         |               |              |
|             |                                  | 42      | 5210            |                     | 13.50         |               | 93.06        |
|             |                                  | 42      | 5210            |                     | 13.50         |               |              |

| 5.3GHz WLAN | Ant 5+6 For Body-worn-Simultaneous |         |                 |                     |               |               |              |
|-------------|------------------------------------|---------|-----------------|---------------------|---------------|---------------|--------------|
| 5.3GHz WLAN | Mode                               | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Power Setting | Duty Cycle % |
|             | 802.11a 6Mbps                      | 52      | 5260            | 8.84                | 9.00          | 5.50          | 98.62        |
|             |                                    | 56      | 5280            | 8.97                | 9.00          | 5.50          |              |
|             |                                    | 60      | 5300            | 8.88                | 9.00          | 5.50          |              |
|             |                                    | 64      | 5320            | 8.71                | 9.00          | 5.50          |              |
|             | 802.11n-HT20 MCS0                  | 52      | 5260            | Not Required        | 9.00          | Not Required  | 97.79        |
|             |                                    | 56      | 5280            |                     | 9.00          |               |              |
|             |                                    | 60      | 5300            |                     | 9.00          |               |              |
|             |                                    | 64      | 5320            |                     | 9.00          |               |              |
|             | 802.11n-HT40 MCS0                  | 54      | 5270            |                     | 8.50          |               | 96.32        |
|             |                                    | 62      | 5310            |                     | 8.50          |               |              |
|             |                                    | 52      | 5260            |                     | 9.00          |               | 98.89        |
|             |                                    | 56      | 5280            |                     | 9.00          |               |              |
|             |                                    | 60      | 5300            |                     | 9.00          |               |              |
|             |                                    | 64      | 5320            |                     | 9.00          |               |              |
|             | 802.11ac-VHT40 MCS0                | 54      | 5270            |                     | 8.50          |               | 96.49        |
|             |                                    | 62      | 5310            |                     | 8.50          |               |              |
|             |                                    | 58      | 5290            |                     | 8.50          |               | 93.06        |
|             |                                    | 58      | 5290            |                     | 8.50          |               |              |

| 5.3GHz WLAN | Ant 5+6 For Hanheld-Simultaneous |         |                 |                     |               |               |              |
|-------------|----------------------------------|---------|-----------------|---------------------|---------------|---------------|--------------|
| 5.3GHz WLAN | Mode                             | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Power Setting | Duty Cycle % |
|             | 802.11a 6Mbps                    | 52      | 5260            | 13.30               | 13.50         | 10.00         | 98.62        |
|             |                                  | 56      | 5280            | 13.34               | 13.50         | 10.00         |              |
|             |                                  | 60      | 5300            | 13.32               | 13.50         | 10.00         |              |
|             |                                  | 64      | 5320            | 13.29               | 13.50         | 10.00         |              |
|             | 802.11n-HT20 MCS0                | 52      | 5260            | Not Required        | 13.50         | Not Required  | 97.79        |
|             |                                  | 56      | 5280            |                     | 13.50         |               |              |
|             |                                  | 60      | 5300            |                     | 13.50         |               |              |
|             |                                  | 64      | 5320            |                     | 13.50         |               |              |
|             | 802.11n-HT40 MCS0                | 54      | 5270            |                     | 13.00         |               | 96.32        |
|             |                                  | 62      | 5310            |                     | 13.00         |               |              |
|             |                                  | 52      | 5260            |                     | 13.50         |               | 98.89        |
|             |                                  | 56      | 5280            |                     | 13.50         |               |              |
|             |                                  | 60      | 5300            |                     | 13.50         |               |              |
|             |                                  | 64      | 5320            |                     | 13.50         |               |              |
|             | 802.11ac-VHT40 MCS0              | 54      | 5270            |                     | 13.00         |               | 96.49        |
|             |                                  | 62      | 5310            |                     | 13.00         |               |              |
|             |                                  | 58      | 5290            |                     | 13.00         |               | 93.06        |
|             |                                  | 58      | 5290            |                     | 13.00         |               |              |

| 5.5GHz WLAN | Ant 5+6 For Body-worn-Simultaneous |         |                 |                     |               |               |              |
|-------------|------------------------------------|---------|-----------------|---------------------|---------------|---------------|--------------|
| 5.5GHz WLAN | Mode                               | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Power Setting | Duty Cycle % |
|             | 802.11a 6Mbps                      | 100     | 5500            | 7.50                | 8.50          | 4.50          | 98.62        |
|             |                                    | 116     | 5580            | 8.27                | 8.50          | 4.50          |              |
|             |                                    | 132     | 5660            | 7.95                | 8.50          | 4.50          |              |
|             |                                    | 140     | 5700            | 7.88                | 8.50          | 4.50          |              |
|             | 802.11n-HT20 MCS0                  | 100     | 5500            | Not Required        | 8.50          | Not Required  | 97.79        |
|             |                                    | 116     | 5580            |                     | 8.50          |               |              |
|             |                                    | 132     | 5660            |                     | 8.50          |               |              |
|             |                                    | 140     | 5700            |                     | 8.50          |               |              |
|             | 802.11n-HT40 MCS0                  | 102     | 5510            |                     | 8.00          |               | 96.32        |
|             |                                    | 110     | 5550            |                     | 8.00          |               |              |
|             |                                    | 124     | 5670            |                     | 8.00          |               | 98.89        |
|             |                                    | 100     | 5500            |                     | 8.50          |               |              |
|             | 802.11ac-VHT20 MCS0                | 116     | 5580            |                     | 8.50          |               | 98.89        |
|             |                                    | 132     | 5660            |                     | 8.50          |               |              |
|             |                                    | 140     | 5700            |                     | 8.50          |               |              |
|             |                                    | 102     | 5510            |                     | 8.00          |               | 96.49        |
|             | 802.11ac-VHT40 MCS0                | 110     | 5550            |                     | 8.00          |               |              |
|             |                                    | 134     | 5670            |                     | 8.00          |               |              |
|             |                                    | 106     | 5530            |                     | 8.00          |               | 93.06        |
|             |                                    | 106     | 5530            |                     | 8.00          |               |              |

| 5.5GHz WLAN | Ant 5+6 For Hanheld-Simultaneous |         |                 |                     |               |               |              |
|-------------|----------------------------------|---------|-----------------|---------------------|---------------|---------------|--------------|
| 5.5GHz WLAN | Mode                             | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Power Setting | Duty Cycle % |
|             | 802.11a 6Mbps                    | 100     | 5500            | 13.15               | 14.50         | 10.00         | 98.62        |
|             |                                  | 116     | 5580            | 14.11               | 14.50         | 10.00         |              |
|             |                                  | 132     | 5660            | 13.49               | 14.50         | 10.00         |              |
|             |                                  | 140     | 5700            | 13.33               | 14.50         | 10.00         |              |
|             | 802.11n-HT20 MCS0                | 100     | 5500            | Not Required        | 14.50         | Not Required  | 97.79        |
|             |                                  | 116     | 5580            |                     | 14.50         |               |              |
|             |                                  | 132     | 5660            |                     | 14.50         |               |              |
|             |                                  | 140     | 5700            |                     | 14.50         |               |              |
|             | 802.11n-HT40 MCS0                | 102     | 5510            |                     | 14.00         |               | 96.32        |
|             |                                  | 110     | 5550            |                     | 14.00         |               |              |
|             |                                  | 124     | 5670            |                     | 14.00         |               | 98.89        |
|             |                                  | 100     | 5500            |                     | 14.50         |               |              |

**BR / EDR Ant 6**

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |       |       |
|---------------|---------|-----------------|---------------------|-------|-------|
|               |         |                 | 1Mbps               | 2Mbps | 3Mbps |
| BR / EDR      | CH 00   | 2402            | 10.22               | 7.44  | 7.53  |
|               | CH 39   | 2441            | 11.40               | 8.20  | 8.77  |
|               | CH 78   | 2480            | 10.20               | 8.43  | 8.51  |
| Tune-up Limit |         |                 | 12                  |       |       |

**LE v4.0 Ant 6**

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |  |  |
|---------------|---------|-----------------|---------------------|--|--|
|               |         |                 | GFSK                |  |  |
| LE            | CH 00   | 2402            | 5.58                |  |  |
|               | CH 19   | 2440            | 6.02                |  |  |
|               | CH 39   | 2480            | 6.48                |  |  |
| Tune-up Limit |         |                 | 8                   |  |  |

**LE v5.0 Ant 6**

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |  |  |
|---------------|---------|-----------------|---------------------|--|--|
|               |         |                 | LE                  |  |  |
| LE            | CH 00   | 2402            | 5.27                |  |  |
|               | CH 19   | 2440            | 6.03                |  |  |
|               | CH 39   | 2480            | 6.53                |  |  |
| Tune-up Limit |         |                 | 8.00                |  |  |



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***Appendix F. Supplemental Tuner Head & Body SAR Results***

The results are shown as follows.

| Head - LAT      |                        |         |                    |         |           |               |         |                              |                                    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |
|-----------------|------------------------|---------|--------------------|---------|-----------|---------------|---------|------------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 0     | 11    | 22    | 33    | 44    | 55    | 66    | 77    | 88    | 99    | 110   | 121   | 132   | 143   |  |
| WCDMA II        | RMC 12.2Kbps           | 9400    | 1880               | -       | -         | Left Tilted   | 0mm     | 0.090                        | 0.115                              | 0.013 | 0.024 | 0.018 | 0.022 | 0.024 | 0.015 | 0.015 | 0.020 | 0.021 | 0.023 | 0.023 | 0.025 | 0.024 | 0.021 |  |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 1     | 12    | 23    | 34    | 45    | 56    | 67    | 78    | 89    | 100   | 111   | 122   | 133   |       |  |
| WCDMA V         | RMC 12.2Kbps           | 4182    | 836.4              |         |           | Right Cheek   | 0mm     | 0.297                        | 0.357                              | 0.029 | 0.185 | 0.122 | 0.346 | 0.020 | 0.026 | 0.156 | 0.171 | 0.357 | 0.154 | 0.026 | 0.111 | 0.151 |       |  |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 2     | 13    | 24    | 35    | 46    | 57    | 68    | 79    | 90    | 101   | 112   | 123   | 134   |       |  |
| LTE Band 2-LAT  | 20M/QPSK               | 18900   | 1880               | 1       | 0         | Right Cheek   | 0mm     | 0.095                        | 0.110                              | 0.044 | 0.069 | 0.060 | 0.062 | 0.059 | 0.059 | 0.047 | 0.075 | 0.046 | 0.078 | 0.056 | 0.055 | 0.061 |       |  |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 3     | 14    | 25    | 36    | 47    | 58    | 69    | 80    | 91    | 102   | 113   | 124   | 135   |       |  |
| LTE Band 5-LAT  | 10M/QPSK               | 20525   | 836.5              | 1       | 0         | Right Tilted  | 0mm     | 0.197                        | 0.214                              | 0.028 | 0.038 | 0.111 | 0.146 | 0.185 | 0.176 | 0.188 | 0.148 | 0.159 | 0.198 | 0.193 | 0.195 | 0.128 |       |  |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 4     | 15    | 26    | 37    | 48    | 59    | 70    | 81    | 92    | 103   | 114   | 125   | 136   |       |  |
| LTE Band 12     | 10M/QPSK               | 23095   | 707.5              | 1       | 0         | Left Cheek    | 0mm     | 0.198                        | 0.214                              | 0.138 | 0.060 | 0.102 | 0.033 | 0.051 | 0.033 | 0.023 | 0.035 | 0.127 | 0.056 | 0.015 | 0.006 | 0.001 |       |  |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 5     | 16    | 27    | 38    | 49    | 60    | 71    | 82    | 93    | 104   | 115   | 126   | 137   |       |  |
| LTE Band 13     | 10M/QPSK               | 23230   | 782                | 1       | 0         | Right Cheek   | 0mm     | 0.216                        | 0.235                              | 0.057 | 0.144 | 0.026 | 0.013 | 0.064 | 0.028 | 0.038 | 0.003 | 0.072 | 0.110 | 0.032 | 0.039 | 0.008 |       |  |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 6     | 17    | 28    | 39    | 50    | 61    | 72    | 83    | 94    | 105   | 116   | 127   | 138   |       |  |
| LTE Band 7      | 20M/QPSK               | 21100   | 2535               | 1       | 0         | Left Tilted   | 0mm     | 0.088                        | 0.109                              | 0.095 | 0.102 | 0.082 | 0.086 | 0.096 | 0.097 | 0.051 | 0.082 | 0.078 | 0.090 | 0.107 | 0.082 | 0.089 |       |  |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 7     | 18    | 29    | 40    | 51    | 62    | 73    | 84    | 95    | 106   | 117   | 128   | 139   |       |  |
| LTE Band 66-LAT | 20M/QPSK               | 132322  | 1745               | 1       | 0         | Right Cheek   | 0mm     | 0.101                        | 0.110                              | 0.053 | 0.060 | 0.062 | 0.038 | 0.024 | 0.034 | 0.054 | 0.059 | 0.056 | 0.039 | 0.067 | 0.035 | 0.023 |       |  |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 8     | 19    | 30    | 41    | 52    | 63    | 74    | 85    | 96    | 107   | 118   | 129   | 140   |       |  |
| FR1 n2          | 20M/QPSK               | 376000  | 1880               | 1       | 1         | Left Cheek    | 0mm     | 0.056                        | 0.066                              | 0.021 | 0.033 | 0.046 | 0.029 | 0.045 | 0.030 | 0.027 | 0.043 | 0.046 | 0.052 | 0.030 | 0.043 | 0.030 |       |  |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 9     | 20    | 31    | 42    | 53    | 64    | 75    | 86    | 97    | 108   | 119   | 130   | 141   |       |  |
| FR1 n5          | 20M/QPSK               | 167300  | 836.5              | 1       | 1         | Right Cheek   | 0mm     | 0.146                        | 0.175                              | 0.039 | 0.013 | 0.169 | 0.100 | 0.152 | 0.030 | 0.049 | 0.152 | 0.141 | 0.003 | 0.028 | 0.038 | 0.085 |       |  |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 10    | 21    | 32    | 43    | 54    | 65    | 76    | 87    | 98    | 109   | 120   | 131   | 142   |       |  |
| FR1 n66         | 20M/QPSK               | 349000  | 1745               | 1       | 1         | Left Cheek    | 0mm     | 0.050                        | 0.068                              | 0.030 | 0.003 | 0.052 | 0.036 | 0.046 | 0.009 | 0.037 | 0.042 | 0.043 | 0.007 | 0.043 | 0.039 | 0.046 |       |  |

| Body worn - LAT |                        |         |                    |         |           |               |         |                              |                                    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------------|------------------------|---------|--------------------|---------|-----------|---------------|---------|------------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 0     | 11    | 22    | 33    | 44    | 55    | 66    | 77    | 88    | 99    | 110   | 121   | 132   | 143   |
| WCDMA II        | RMC 12.2Kbps           | 9400    | 1880               | -       | -         | Bottom Side   | 5mm     | 0.575                        | 0.942                              | 0.595 | 0.921 | 0.778 | 0.903 | 0.895 | 0.627 | 0.751 | 0.912 | 0.934 | 0.910 | 0.679 | 0.588 | 0.721 | 0.471 |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 1     | 12    | 23    | 34    | 45    | 56    | 67    | 78    | 89    | 100   | 111   | 122   | 133   |       |
| WCDMA V         | RMC 12.2Kbps           | 4182    | 836.4              | -       | -         | Back          | 5mm     | 0.677                        | 1.18                               | 0.187 | 0.868 | 0.714 | 0.946 | 0.090 | 0.156 | 0.934 | 0.950 | 1.06  | 0.654 | 0.170 | 0.601 | 0.930 |       |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 2     | 13    | 24    | 35    | 46    | 57    | 68    | 79    | 90    | 101   | 112   | 123   | 134   |       |
| LTE Band 2-LAT  | 20M/QPSK               | 18900   | 1880               | 50      | 0         | Bottom Side   | 5mm     | 0.619                        | 1.04                               | 0.785 | 0.866 | 0.607 | 0.558 | 0.726 | 0.655 | 0.593 | 0.738 | 0.588 | 0.973 | 0.644 | 0.518 | 0.698 |       |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 3     | 14    | 25    | 36    | 47    | 58    | 69    | 80    | 91    | 102   | 113   | 124   | 135   |       |
| LTE Band 5-LAT  | 10M/QPSK               | 20525   | 836.5              | 1       | 0         | Back          | 5mm     | 0.645                        | 0.893                              | 0.115 | 0.371 | 0.245 | 0.240 | 0.018 | 0.083 | 0.358 | 0.374 | 0.081 | 0.053 | 0.118 | 0.259 | 0.013 |       |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 4     | 15    | 26    | 37    | 48    | 59    | 70    | 81    | 92    | 103   | 114   | 125   | 136   |       |
| LTE Band 12     | 10M/QPSK               | 23095   | 707.5              | 1       | 0         | Bottom Side   | 5mm     | 0.522                        | 0.715                              | 0.434 | 0.199 | 0.325 | 0.110 | 0.171 | 0.168 | 0.121 | 0.025 | 0.663 | 0.232 | 0.091 | 0.030 | 0.005 |       |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 5     | 16    | 27    | 38    | 49    | 60    | 71    | 82    | 93    | 104   | 115   | 126   | 137   |       |
| LTE Band 13     | 10M/QPSK               | 23230   | 782                | 1       | 0         | Back          | 5mm     | 0.585                        | 0.745                              | 0.277 | 0.698 | 0.159 | 0.055 | 0.342 | 0.248 | 0.149 | 0.616 | 0.337 | 0.654 | 0.183 | 0.041 | 0.384 |       |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 6     | 17    | 28    | 39    | 50    | 61    | 72    | 83    | 94    | 105   | 116   | 127   | 138   |       |
| LTE Band 7      | 20M/QPSK               | 21100   | 2535               | 50      | 0         | Bottom Side   | 5mm     | 0.795                        | 1.07                               | 1.00  | 0.729 | 0.688 | 1.03  | 0.973 | 0.904 | 0.695 | 0.896 | 0.917 | 0.913 | 0.824 | 0.939 | 0.899 |       |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 7     | 18    | 29    | 40    | 51    | 62    | 73    | 84    | 95    | 106   | 117   | 128   | 139   |       |
| LTE Band 66-LAT | 20M/QPSK               | 132322  | 1745               | 50      | 0         | Bottom Side   | 5mm     | 0.669                        | 0.865                              | 0.704 | 0.724 | 0.757 | 0.778 | 0.588 | 0.658 | 0.771 | 0.746 | 0.653 | 0.729 | 0.528 | 0.728 | 0.788 |       |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 8     | 19    | 30    | 41    | 52    | 63    | 74    | 85    | 96    | 107   | 118   | 129   | 140   |       |
| FR1 n2          | 20M/QPSK               | 372000  | 1860               | 50      | 28        | Bottom Side   | 5mm     | 0.953                        | 1.60                               | 0.921 | 0.696 | 1.31  | 0.863 | 1.26  | 1.26  | 0.896 | 1.26  | 0.896 | 0.968 | 0.863 | 0.797 | 0.867 |       |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 9     | 20    | 31    | 42    | 53    | 64    | 75    | 86    | 97    | 108   | 119   | 130   | 141   |       |
| FR1 n5          | 20M/QPSK               | 167300  | 836.5              | 1       | 1         | Back          | 5mm     | 0.623                        | 1.09                               | 0.712 | 0.664 | 0.751 | 0.656 | 0.698 | 0.417 | 0.376 | 0.552 | 0.475 | 0.761 | 0.732 | 0.593 | 0.963 |       |
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 10    | 21    | 32    | 43    | 54    | 65    | 76    | 87    | 98    | 109   | 120   | 131   | 142   |       |
| FR1 n66         | 20M/QPSK               | 354000  | 1770               | 1       | 1         | Bottom Side   | 5mm     | 0.942                        | 1.57                               | 0.869 | 1.02  | 1.21  | 0.796 | 1.08  | 0.659 | 1.12  | 1.21  | 0.978 | 0.941 | 0.746 | 0.716 | 0.426 |       |

Verified SAR >1.2w/kg \_Body worn - LAT

| Mode   | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Auto-Tune | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--------|------------------------|---------|--------------------|---------|-----------|---------------|---------|------------------------------|-----------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|        |                        |         |                    |         |           |               |         |                              |           | 0                                  | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    |
| FR1 n2 | 20M/QPSK               | 372000  | 1860               | 50      | 28        | Bottom Side   | 5mm     | 0.953                        | 1.60      | 0.651                              | 0.526 | 0.589 | 0.636 | 0.686 | 0.826 | 0.801 | 0.896 | 0.921 | 0.865 | 0.944 | 0.716 | 0.689 | 0.635 | 0.812 | 0.896 | 0.762 |
|        |                        |         |                    |         |           |               |         |                              |           | 17                                 | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    |
|        |                        |         |                    |         |           |               |         |                              |           | 0.618                              | 0.672 | 0.696 | 0.812 | 0.765 | 0.689 | 0.916 | 0.989 | 0.786 | 0.995 | 0.876 | 0.966 | 1.26  | 1.31  | 1.28  | 1.04  | 1.11  |
|        |                        |         |                    |         |           |               |         |                              |           | 34                                 | 35    | 36    | 37    | 38    | 39    | 40    | 41    | 42    | 43    | 44    | 45    | 46    | 47    | 48    | 49    | 50    |
|        |                        |         |                    |         |           |               |         |                              |           | 1.26                               | 0.568 | 0.689 | 0.769 | 0.698 | 0.784 | 0.896 | 0.863 | 0.846 | 0.768 | 0.862 | 0.896 | 0.763 | 0.812 | 0.836 | 0.986 | 1.13  |
|        |                        |         |                    |         |           |               |         |                              |           | 51                                 | 52    | 53    | 54    | 55    | 56    | 57    | 58    | 59    | 60    | 61    | 62    | 63    | 64    | 65    | 66    | 67    |
|        |                        |         |                    |         |           |               |         |                              |           | 1.21                               | 1.26  | 0.916 | 0.856 | 0.765 | 0.812 | 0.689 | 0.712 | 1.06  | 1.21  | 0.963 | 0.975 | 1.26  | 1.34  | 0.836 | 0.963 | 0.842 |
|        |                        |         |                    |         |           |               |         |                              |           | 67                                 | 68    | 69    | 70    | 71    | 72    | 73    | 74    | 75    | 76    | 77    | 78    | 79    | 80    | 81    | 82    | 83    |
|        |                        |         |                    |         |           |               |         |                              |           | 0.896                              | 0.935 | 0.763 | 0.869 | 0.683 | 0.786 | 0.687 | 0.896 | 0.867 | 0.698 | 0.968 | 0.987 | 0.687 | 0.962 | 1.21  | 1.14  | 1.28  |
|        |                        |         |                    |         |           |               |         |                              |           | 83                                 | 84    | 85    | 86    | 87    | 88    | 89    | 90    | 91    | 92    | 93    | 94    | 95    | 96    | 97    | 98    | 99    |
|        |                        |         |                    |         |           |               |         |                              |           | 1.36                               | 1.26  | 1.26  | 1.12  | 1.26  | 1.11  | 0.765 | 0.715 | 0.796 | 0.965 | 0.876 | 0.912 | 0.826 | 0.896 | 0.796 | 0.34  | 0.819 |
|        |                        |         |                    |         |           |               |         |                              |           | 99                                 | 100   | 101   | 102   | 103   | 104   | 105   | 106   | 107   | 108   | 109   | 110   | 111   | 112   | 113   | 114   | 115   |
|        |                        |         |                    |         |           |               |         |                              |           | 0.984                              | 0.876 | 1.31  | 1.35  | 1.26  | 1.06  | 1.01  | 0.987 | 0.968 | 0.789 | 0.891 | 0.683 | 0.512 | 0.686 | 0.796 | 1.02  | 0.963 |
|        |                        |         |                    |         |           |               |         |                              |           | 115                                | 116   | 117   | 118   | 119   | 120   | 121   | 122   | 123   | 124   | 125   | 126   | 127   | 128   | 129   | 130   | 131   |
|        |                        |         |                    |         |           |               |         |                              |           | 0.869                              | 1.11  | 0.967 | 0.863 | 0.802 | 0.765 | 0.894 | 0.852 | 0.986 | 0.876 | 0.704 | 0.863 | 0.715 | 0.831 | 0.797 | 0.968 | 0.826 |
|        |                        |         |                    |         |           |               |         |                              |           | 131                                | 132   | 133   | 134   | 135   | 136   | 137   | 138   | 139   | 140   | 141   | 142   | 143   |       |       |       |       |
|        |                        |         |                    |         |           |               |         |                              |           | 0.769                              | 0.845 | 0.696 | 0.589 | 0.986 | 0.972 | 0.869 | 0.789 | 0.712 | 0.867 | 0.912 | 0.712 | 0.861 |       |       |       |       |

| Mode    | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Auto-Tune | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------|------------------------|---------|--------------------|---------|-----------|---------------|---------|------------------------------|-----------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                        |         |                    |         |           |               |         |                              |           | 0                                  | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    |
| FR1 n68 | 20M/QPSK               | 364000  | 1770               | 1       | 1         | Bottom Side   | 5mm     | 0.942                        | 1.57      | 1.35                               | 1.21  | 1.16  | 1.21  | 1.01  | 1.13  | 1.21  | 1.08  | 0.986 | 0.954 | 0.869 | 1.37  | 1.26  | 1.21  | 1.41  | 1.11  | 1.11  |
|         |                        |         |                    |         |           |               |         |                              |           | 17                                 | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    |
|         |                        |         |                    |         |           |               |         |                              |           | 1.45                               | 1.27  | 1.31  | 1.25  | 1.02  | 0.946 | 1.38  | 1.26  | 1.18  | 1.26  | 1.15  | 1.31  | 1.29  | 1.11  | 1.26  | 1.21  | 1.36  |
|         |                        |         |                    |         |           |               |         |                              |           | 34                                 | 35    | 36    | 37    | 38    | 39    | 40    | 41    | 42    | 43    | 44    | 45    | 46    | 47    | 48    | 49    | 50    |
|         |                        |         |                    |         |           |               |         |                              |           | 1.14                               | 0.906 | 0.951 | 0.894 | 0.693 | 0.846 | 0.935 | 0.867 | 0.894 | 0.796 | 0.823 | 0.963 | 0.786 | 0.745 | 0.786 | 0.863 | 0.842 |
|         |                        |         |                    |         |           |               |         |                              |           | 51                                 | 52    | 53    | 54    | 55    | 56    | 57    | 58    | 59    | 60    | 61    | 62    | 63    | 64    | 65    | 66    | 67    |
|         |                        |         |                    |         |           |               |         |                              |           | 1.02                               | 0.868 | 1.06  | 1.08  | 1.12  | 1.36  | 1.11  | 0.976 | 0.886 | 0.793 | 0.871 | 0.846 | 0.751 | 0.879 | 0.659 | 0.641 | 0.712 |
|         |                        |         |                    |         |           |               |         |                              |           | 67                                 | 68    | 69    | 70    | 71    | 72    | 73    | 74    | 75    | 76    | 77    | 78    | 79    | 80    | 81    | 82    | 83    |
|         |                        |         |                    |         |           |               |         |                              |           | 0.812                              | 0.914 | 0.675 | 0.851 | 1.35  | 1.26  | 1.27  | 1.23  | 1.22  | 1.12  | 1.26  | 1.13  | 1.14  | 1.10  | 1.03  | 0.945 | 1.27  |
|         |                        |         |                    |         |           |               |         |                              |           | 83                                 | 84    | 85    | 86    | 87    | 88    | 89    | 90    | 91    | 92    | 93    | 94    | 95    | 96    | 97    | 98    | 99    |
|         |                        |         |                    |         |           |               |         |                              |           | 1.26                               | 1.13  | 1.17  | 1.32  | 1.21  | 1.24  | 1.30  | 1.15  | 1.33  | 1.27  | 1.17  | 1.26  | 1.25  | 1.13  | 0.846 | 0.978 | 1.27  |
|         |                        |         |                    |         |           |               |         |                              |           | 99                                 | 100   | 101   | 102   | 103   | 104   | 105   | 106   | 107   | 108   | 109   | 110   | 111   | 112   | 113   | 114   | 115   |
|         |                        |         |                    |         |           |               |         |                              |           | 1.22                               | 1.14  | 1.16  | 1.13  | 1.25  | 1.27  | 1.21  | 1.23  | 0.732 | 0.863 | 0.943 | 1.02  | 0.871 | 0.951 | 0.692 | 0.989 | 0.794 |
|         |                        |         |                    |         |           |               |         |                              |           | 115                                | 116   | 117   | 118   | 119   | 120   | 121   | 122   | 123   | 124   | 125   | 126   | 127   | 128   | 129   | 130   | 131   |
|         |                        |         |                    |         |           |               |         |                              |           | 0.856                              | 0.841 | 0.836 | 0.942 | 0.603 | 0.746 | 0.863 | 0.723 | 0.852 | 0.911 | 0.869 | 0.796 | 0.749 | 0.826 | 0.951 | 0.845 | 0.716 |
|         |                        |         |                    |         |           |               |         |                              |           | 131                                | 132   | 133   | 134   | 135   | 136   | 137   | 138   | 139   | 140   | 141   | 142   | 143   |       |       |       |       |
|         |                        |         |                    |         |           |               |         |                              |           | 0.684                              | 0.762 | 0.715 | 0.961 | 0.875 | 0.748 | 0.596 | 0.686 | 0.752 | 0.863 | 0.952 | 0.426 | 0.406 |       |       |       |       |

## Head - UAT

| Head - UAT     |                        |         |                    |         |           |               |         |                              |                                    |       |       |       |       |       |       |
|----------------|------------------------|---------|--------------------|---------|-----------|---------------|---------|------------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|
| Mode           | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |
|                |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 0     | 1     | 2     | 3     | 4     | 5     |
| LTE Band 2-UAT | 20M/QPSK               | 18900   | 1880               | 1       | 0         | Left Tilted   | 0mm     | 0.685                        | 0.942                              | 0.903 | 0.869 | 0.896 | 0.655 | 0.514 | 0.503 |

| Mode           | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |
|----------------|------------------------|---------|--------------------|---------|-----------|---------------|---------|------------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|
|                |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 0     | 1     | 2     | 3     | 4     | 5     |
| LTE Band 5-UAT | 10M/QPSK               | 20525   | 836.5              | 1       | 0         | Left Cheek    | 0mm     | 0.610                        | 0.753                              | 0.397 | 0.435 | 0.469 | 0.549 | 0.727 | 0.636 |

| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |
|-----------------|------------------------|---------|--------------------|---------|-----------|---------------|---------|------------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 0     | 1     | 2     | 3     | 4     | 5     |
| LTE Band 66-UAT | 20M/QPSK               | 132322  | 1745               | 1       | 0         | Left Tilted   | 0mm     | 0.672                        | 0.939                              | 0.545 | 0.526 | 0.558 | 0.627 | 0.896 | 0.912 |
|                 |                        |         |                    |         |           |               |         |                              |                                    |       |       |       |       |       |       |

| Mode   | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |      |      |      |      |      |      |
|--------|------------------------|---------|--------------------|---------|-----------|---------------|---------|------------------------------|------------------------------------|------|------|------|------|------|------|
|        |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 0    | 1    | 2    | 3    | 4    | 5    |
| FR1 n2 | 20M/QPSK               | 380000  | 1900               | 50      | 28        | Left Tilted   | 0mm     | 0.920                        | 1.65                               | 1.16 | 1.17 | 1.24 | 1.58 | 1.52 | 1.49 |
|        |                        |         |                    |         |           |               |         |                              |                                    |      |      |      |      |      |      |

| Mode   | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |
|--------|------------------------|---------|--------------------|---------|-----------|---------------|---------|------------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|
|        |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 0     | 1     | 2     | 3     | 4     | 5     |
| FR1 N5 | 20M/QPSK               | 167300  | 836.5              | 50      | 28        | Left Cheek    | 0mm     | 0.657                        | 0.872                              | 0.807 | 0.814 | 0.817 | 0.736 | 0.821 | 0.836 |
|        |                        |         |                    |         |           |               |         |                              |                                    |       |       |       |       |       |       |

| Mode    | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |      |      |      |      |      |      |
|---------|------------------------|---------|--------------------|---------|-----------|---------------|---------|------------------------------|------------------------------------|------|------|------|------|------|------|
|         |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 0    | 1    | 2    | 3    | 4    | 5    |
| FR1 N66 | 20M/QPSK               | 354000  | 1770               | 1       | 1         | Left Tilted   | 0mm     | 0.842                        | 1.54                               | 1.17 | 1.28 | 1.18 | 1.47 | 1.49 | 1.14 |

| Body worn - UAT |                        |         |                    |         |           |               |         |                              |                                    |       |       |       |       |       |       |
|-----------------|------------------------|---------|--------------------|---------|-----------|---------------|---------|------------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|
| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 0     | 1     | 2     | 3     | 4     | 5     |
| LTE Band 5-UAT  | 10M/QPSK               | 20525   | 836.5              | 1       | 0         | Top Side      | 5mm     | 0.371                        | 0.499                              | 0.463 | 0.418 | 0.457 | 0.438 | 0.459 | 0.452 |

| Mode            | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |
|-----------------|------------------------|---------|--------------------|---------|-----------|---------------|---------|------------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|
|                 |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 0     | 1     | 2     | 3     | 4     | 5     |
| LTE Band 66-UAT | 20M/QPSK               | 132322  | 1745               | 1       | 0         | Top Side      | 5mm     | 0.563                        | 0.743                              | 0.534 | 0.679 | 0.563 | 0.271 | 0.270 | 0.271 |

| Mode   | Service/<br>Modulation | Channel | Frequency<br>(MHz) | RB Size | RB Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |
|--------|------------------------|---------|--------------------|---------|-----------|---------------|---------|------------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|
|        |                        |         |                    |         |           |               |         |                              | Auto-Tune                          | 0     | 1     | 2     | 3     | 4     | 5     |
| FR1 n5 | 20M/QPSK               | 167300  | 836.5              | 1       | 1         | Top Side      | 5mm     | 0.408                        | 0.752                              | 0.276 | 0.457 | 0.736 | 0.359 | 0.475 | 0.354 |

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