

## Appendix E. Output Power Measurement

### <GSM Conducted Power>

#### 【GSM850】

| TX Channel      | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |       | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
|                 | 128                       | 189   | 251   |                     | 128                       | 189   | 251   |                     |
| Frequency (MHz) | 824.2                     | 836.4 | 848.8 |                     | 824.2                     | 836.4 | 848.8 |                     |
| GSM 1 Tx slot   | 31.76                     | 31.79 | 31.72 | 33.00               | 22.76                     | 22.79 | 22.72 | 24.00               |
| GPRS 1 Tx slot  | 31.75                     | 31.78 | 31.71 | 33.00               | 22.75                     | 22.78 | 22.71 | 24.00               |
| GPRS 2 Tx slots | 30.91                     | 30.95 | 30.88 | 32.00               | 24.91                     | 24.95 | 24.88 | 26.00               |
| GPRS 3 Tx slots | 29.26                     | 29.34 | 29.31 | 30.50               | 25.00                     | 25.08 | 25.05 | 26.24               |
| GPRS 4 Tx slots | 28.21                     | 28.25 | 28.20 | 29.50               | 25.21                     | 25.25 | 25.20 | 26.50               |

#### 【GSM1900】

| TX Channel      | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |        | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|--------|---------------------|---------------------------|-------|--------|---------------------|
|                 | 512                       | 661   | 810    |                     | 512                       | 661   | 810    |                     |
| Frequency (MHz) | 1850.2                    | 1880  | 1909.8 |                     | 1850.2                    | 1880  | 1909.8 |                     |
| GSM 1 Tx slot   | 22.41                     | 22.45 | 22.43  | 23.00               | 13.41                     | 13.45 | 13.43  | 14.00               |
| GPRS 1 Tx slot  | 22.40                     | 22.44 | 22.41  | 23.00               | 13.40                     | 13.44 | 13.41  | 14.00               |
| GPRS 2 Tx slots | 22.26                     | 22.41 | 22.37  | 23.00               | 16.26                     | 16.41 | 16.37  | 17.00               |
| GPRS 3 Tx slots | 22.31                     | 22.39 | 22.25  | 23.00               | 18.05                     | 18.13 | 17.99  | 18.74               |
| GPRS 4 Tx slots | 22.30                     | 22.35 | 22.32  | 23.00               | 19.30                     | 19.35 | 19.32  | 20.00               |

### <WCDMA Conducted Power>

#### 【WCDMA II】

| TX Channel      |                 | 9262   | 9400  | 9538   | Tune-up Limit (dBm) |
|-----------------|-----------------|--------|-------|--------|---------------------|
| Frequency (MHz) |                 | 1852.4 | 1880  | 1907.6 |                     |
| 3GPP Rel 99     | AMR 12.2Kbps    | 18.92  | 18.97 | 18.90  | 20.00               |
| 3GPP Rel 99     | RMC 12.2Kbps    | 18.94  | 18.98 | 18.92  | 20.00               |
| 3GPP Rel 6      | HSDPA Subtest-1 | 18.07  | 17.98 | 17.89  | 19.00               |
| 3GPP Rel 6      | HSDPA Subtest-2 | 18.13  | 17.89 | 17.96  | 19.00               |
| 3GPP Rel 6      | HSDPA Subtest-3 | 17.67  | 17.68 | 17.48  | 18.50               |
| 3GPP Rel 6      | HSDPA Subtest-4 | 17.57  | 17.43 | 17.47  | 18.50               |
| 3GPP Rel 6      | HSUPA Subtest-1 | 17.89  | 17.97 | 17.63  | 19.00               |
| 3GPP Rel 6      | HSUPA Subtest-2 | 15.89  | 16.18 | 15.87  | 17.00               |
| 3GPP Rel 6      | HSUPA Subtest-3 | 16.84  | 17.14 | 16.79  | 18.00               |
| 3GPP Rel 6      | HSUPA Subtest-4 | 16.03  | 15.96 | 15.88  | 17.00               |
| 3GPP Rel 6      | HSUPA Subtest-5 | 17.98  | 18.28 | 17.62  | 19.00               |

#### 【WCDMA IV】

| TX Channel      |                 | 1312   | 1413   | 1513   | Tune-up Limit (dBm) |
|-----------------|-----------------|--------|--------|--------|---------------------|
| Frequency (MHz) |                 | 1712.4 | 1732.6 | 1752.6 |                     |
| 3GPP Rel 99     | AMR 12.2Kbps    | 18.84  | 18.91  | 18.85  | 19.00               |
| 3GPP Rel 99     | RMC 12.2Kbps    | 18.85  | 18.93  | 18.87  | 19.00               |
| 3GPP Rel 6      | HSDPA Subtest-1 | 17.51  | 17.73  | 17.66  | 18.00               |
| 3GPP Rel 6      | HSDPA Subtest-2 | 17.73  | 17.79  | 17.82  | 18.00               |
| 3GPP Rel 6      | HSDPA Subtest-3 | 17.45  | 17.46  | 17.40  | 17.50               |
| 3GPP Rel 6      | HSDPA Subtest-4 | 17.30  | 17.29  | 17.42  | 17.50               |
| 3GPP Rel 6      | HSUPA Subtest-1 | 17.70  | 17.98  | 17.63  | 18.00               |
| 3GPP Rel 6      | HSUPA Subtest-2 | 15.65  | 15.77  | 15.69  | 16.00               |
| 3GPP Rel 6      | HSUPA Subtest-3 | 16.79  | 16.88  | 16.65  | 17.00               |
| 3GPP Rel 6      | HSUPA Subtest-4 | 15.57  | 15.78  | 15.85  | 16.00               |
| 3GPP Rel 6      | HSUPA Subtest-5 | 17.72  | 17.84  | 17.68  | 18.00               |

#### 【WCDMA V】

| TX Channel      |                 | 4132  | 4182  | 4233  | Tune-up Limit (dBm) |
|-----------------|-----------------|-------|-------|-------|---------------------|
| Frequency (MHz) |                 | 826.4 | 836.4 | 846.6 |                     |
| 3GPP Rel 99     | AMR 12.2Kbps    | 23.83 | 23.83 | 23.75 | 25.00               |
| 3GPP Rel 99     | RMC 12.2Kbps    | 23.84 | 23.85 | 23.77 | 25.00               |
| 3GPP Rel 6      | HSDPA Subtest-1 | 22.72 | 22.80 | 22.67 | 24.00               |
| 3GPP Rel 6      | HSDPA Subtest-2 | 22.85 | 22.93 | 22.70 | 24.00               |
| 3GPP Rel 6      | HSDPA Subtest-3 | 22.45 | 22.58 | 22.46 | 23.50               |
| 3GPP Rel 6      | HSDPA Subtest-4 | 22.20 | 22.32 | 22.35 | 23.50               |
| 3GPP Rel 6      | HSUPA Subtest-1 | 22.70 | 22.80 | 22.52 | 24.00               |
| 3GPP Rel 6      | HSUPA Subtest-2 | 20.70 | 20.82 | 20.65 | 22.00               |
| 3GPP Rel 6      | HSUPA Subtest-3 | 21.80 | 21.78 | 21.74 | 23.00               |
| 3GPP Rel 6      | HSUPA Subtest-4 | 20.69 | 20.81 | 20.69 | 22.00               |
| 3GPP Rel 6      | HSUPA Subtest-5 | 22.71 | 22.75 | 22.61 | 24.00               |

**<LTE Conducted Power>**
**【LTE Band 2\_Ant 0】**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 18700                    | 18900                       | 19100                     |                        |
| Frequency (MHz) |            |         |           | 1860                     | 1880                        | 1900                      |                        |
| 20              | QPSK       | 1       | 0         | 18.85                    | 18.92                       | 18.77                     | 20.00                  |
| 20              | QPSK       | 1       | 49        | 18.66                    | 18.88                       | 18.65                     | 20.00                  |
| 20              | QPSK       | 1       | 99        | 18.58                    | 18.73                       | 18.57                     | 20.00                  |
| 20              | QPSK       | 50      | 0         | 18.71                    | 18.90                       | 18.74                     | 20.00                  |
| 20              | QPSK       | 50      | 24        | 18.59                    | 18.78                       | 18.48                     | 20.00                  |
| 20              | QPSK       | 50      | 50        | 18.63                    | 18.82                       | 18.64                     | 20.00                  |
| 20              | QPSK       | 100     | 0         | 18.77                    | 18.88                       | 18.65                     | 20.00                  |
| 20              | 16QAM      | 1       | 0         | 18.73                    | 18.87                       | 18.69                     | 20.00                  |
| 20              | 16QAM      | 1       | 49        | 18.68                    | 18.82                       | 18.57                     | 20.00                  |
| 20              | 16QAM      | 1       | 99        | 18.71                    | 18.89                       | 18.71                     | 20.00                  |
| 20              | 16QAM      | 50      | 0         | 18.65                    | 18.80                       | 18.61                     | 20.00                  |
| 20              | 16QAM      | 50      | 24        | 18.70                    | 18.82                       | 18.61                     | 20.00                  |
| 20              | 16QAM      | 50      | 50        | 18.61                    | 18.73                       | 18.57                     | 20.00                  |
| 20              | 16QAM      | 100     | 0         | 18.55                    | 18.76                       | 18.59                     | 20.00                  |
| 20              | 64QAM      | 1       | 0         | 18.76                    | 18.84                       | 18.68                     | 20.00                  |
| 20              | 64QAM      | 1       | 49        | 18.66                    | 18.75                       | 18.51                     | 20.00                  |
| 20              | 64QAM      | 1       | 99        | 18.58                    | 18.73                       | 18.47                     | 20.00                  |
| 20              | 64QAM      | 50      | 0         | 18.63                    | 18.73                       | 18.47                     | 20.00                  |
| 20              | 64QAM      | 50      | 24        | 18.75                    | 18.86                       | 18.68                     | 20.00                  |
| 20              | 64QAM      | 50      | 50        | 18.80                    | 18.88                       | 18.61                     | 20.00                  |
| 20              | 64QAM      | 100     | 0         | 18.75                    | 18.92                       | 18.73                     | 20.00                  |
| Channel         |            |         |           | 18675                    | 18900                       | 19125                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1857.5                   | 1880                        | 1902.5                    |                        |
| 15              | QPSK       | 1       | 0         | 18.84                    | 18.84                       | 18.68                     | 20.00                  |
| 15              | QPSK       | 1       | 37        | 18.61                    | 18.78                       | 18.63                     | 20.00                  |
| 15              | QPSK       | 1       | 74        | 18.49                    | 18.63                       | 18.54                     | 20.00                  |
| 15              | QPSK       | 36      | 0         | 18.70                    | 18.84                       | 18.62                     | 20.00                  |
| 15              | QPSK       | 36      | 20        | 18.44                    | 18.71                       | 18.38                     | 20.00                  |
| 15              | QPSK       | 36      | 39        | 18.51                    | 18.71                       | 18.59                     | 20.00                  |
| 15              | QPSK       | 75      | 0         | 18.63                    | 18.78                       | 18.57                     | 20.00                  |
| 15              | 16QAM      | 1       | 0         | 18.61                    | 18.83                       | 18.57                     | 20.00                  |
| 15              | 16QAM      | 1       | 37        | 18.56                    | 18.72                       | 18.49                     | 20.00                  |
| 15              | 16QAM      | 1       | 74        | 18.62                    | 18.79                       | 18.63                     | 20.00                  |
| 15              | 16QAM      | 36      | 0         | 18.62                    | 18.67                       | 18.55                     | 20.00                  |
| 15              | 16QAM      | 36      | 20        | 18.65                    | 18.70                       | 18.53                     | 20.00                  |
| 15              | 16QAM      | 36      | 39        | 18.53                    | 18.69                       | 18.49                     | 20.00                  |
| 15              | 16QAM      | 75      | 0         | 18.52                    | 18.65                       | 18.48                     | 20.00                  |
| 15              | 64QAM      | 1       | 0         | 18.65                    | 18.71                       | 18.56                     | 20.00                  |
| 15              | 64QAM      | 1       | 37        | 18.52                    | 18.72                       | 18.39                     | 20.00                  |
| 15              | 64QAM      | 1       | 74        | 18.44                    | 18.65                       | 18.42                     | 20.00                  |
| 15              | 64QAM      | 36      | 0         | 18.52                    | 18.72                       | 18.37                     | 20.00                  |
| 15              | 64QAM      | 36      | 20        | 18.63                    | 18.76                       | 18.67                     | 20.00                  |
| 15              | 64QAM      | 36      | 39        | 18.65                    | 18.78                       | 18.52                     | 20.00                  |
| 15              | 64QAM      | 75      | 0         | 18.61                    | 18.79                       | 18.62                     | 20.00                  |
| Channel         |            |         |           | 18650                    | 18900                       | 19150                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1855                     | 1880                        | 1905                      |                        |
| 10              | QPSK       | 1       | 0         | 18.80                    | 18.78                       | 18.73                     | 20.00                  |
| 10              | QPSK       | 1       | 25        | 18.53                    | 18.86                       | 18.51                     | 20.00                  |
| 10              | QPSK       | 1       | 49        | 18.54                    | 18.63                       | 18.42                     | 20.00                  |
| 10              | QPSK       | 25      | 0         | 18.61                    | 18.86                       | 18.72                     | 20.00                  |
| 10              | QPSK       | 25      | 12        | 18.51                    | 18.68                       | 18.41                     | 20.00                  |
| 10              | QPSK       | 25      | 25        | 18.52                    | 18.68                       | 18.63                     | 20.00                  |
| 10              | QPSK       | 50      | 0         | 18.62                    | 18.82                       | 18.53                     | 20.00                  |
| 10              | 16QAM      | 1       | 0         | 18.60                    | 18.85                       | 18.61                     | 20.00                  |
| 10              | 16QAM      | 1       | 25        | 18.54                    | 18.72                       | 18.56                     | 20.00                  |
| 10              | 16QAM      | 1       | 49        | 18.61                    | 18.77                       | 18.64                     | 20.00                  |
| 10              | 16QAM      | 25      | 0         | 18.53                    | 18.73                       | 18.55                     | 20.00                  |
| 10              | 16QAM      | 25      | 12        | 18.65                    | 18.80                       | 18.55                     | 20.00                  |
| 10              | 16QAM      | 25      | 25        | 18.53                    | 18.59                       | 18.46                     | 20.00                  |
| 10              | 16QAM      | 50      | 0         | 18.50                    | 18.62                       | 18.52                     | 20.00                  |
| 10              | 64QAM      | 1       | 0         | 18.74                    | 18.72                       | 18.65                     | 20.00                  |
| 10              | 64QAM      | 1       | 25        | 18.52                    | 18.73                       | 18.45                     | 20.00                  |
| 10              | 64QAM      | 1       | 49        | 18.55                    | 18.63                       | 18.39                     | 20.00                  |
| 10              | 64QAM      | 25      | 0         | 18.54                    | 18.63                       | 18.32                     | 20.00                  |
| 10              | 64QAM      | 25      | 12        | 18.63                    | 18.82                       | 18.64                     | 20.00                  |
| 10              | 64QAM      | 25      | 25        | 18.76                    | 18.81                       | 18.50                     | 20.00                  |
| 10              | 64QAM      | 50      | 0         | 18.64                    | 18.87                       | 18.68                     | 20.00                  |



| Channel         |       |    |    | 18625  | 18900 | 19175  | Tune-up limit<br>(dBm) |
|-----------------|-------|----|----|--------|-------|--------|------------------------|
| Frequency (MHz) |       |    |    | 1852.5 | 1880  | 1907.5 |                        |
| 5               | QPSK  | 1  | 0  | 18.74  | 18.85 | 18.75  | 20.00                  |
| 5               | QPSK  | 1  | 12 | 18.54  | 18.75 | 18.53  | 20.00                  |
| 5               | QPSK  | 1  | 24 | 18.49  | 18.63 | 18.53  | 20.00                  |
| 5               | QPSK  | 12 | 0  | 18.60  | 18.88 | 18.69  | 20.00                  |
| 5               | QPSK  | 12 | 7  | 18.48  | 18.74 | 18.40  | 20.00                  |
| 5               | QPSK  | 12 | 13 | 18.60  | 18.76 | 18.59  | 20.00                  |
| 5               | QPSK  | 25 | 0  | 18.67  | 18.75 | 18.50  | 20.00                  |
| 5               | 16QAM | 1  | 0  | 18.63  | 18.79 | 18.60  | 20.00                  |
| 5               | 16QAM | 1  | 12 | 18.61  | 18.76 | 18.48  | 20.00                  |
| 5               | 16QAM | 1  | 24 | 18.69  | 18.87 | 18.59  | 20.00                  |
| 5               | 16QAM | 12 | 0  | 18.63  | 18.72 | 18.47  | 20.00                  |
| 5               | 16QAM | 12 | 7  | 18.67  | 18.77 | 18.56  | 20.00                  |
| 5               | 16QAM | 12 | 13 | 18.47  | 18.66 | 18.43  | 20.00                  |
| 5               | 16QAM | 25 | 0  | 18.53  | 18.70 | 18.53  | 20.00                  |
| 5               | 64QAM | 1  | 0  | 18.69  | 18.73 | 18.59  | 20.00                  |
| 5               | 64QAM | 1  | 12 | 18.52  | 18.61 | 18.38  | 20.00                  |
| 5               | 64QAM | 1  | 24 | 18.51  | 18.70 | 18.38  | 20.00                  |
| 5               | 64QAM | 12 | 0  | 18.60  | 18.71 | 18.39  | 20.00                  |
| 5               | 64QAM | 12 | 7  | 18.61  | 18.72 | 18.63  | 20.00                  |
| 5               | 64QAM | 12 | 13 | 18.78  | 18.86 | 18.52  | 20.00                  |
| 5               | 64QAM | 25 | 0  | 18.66  | 18.81 | 18.67  | 20.00                  |
| Channel         |       |    |    | 18615  | 18900 | 19185  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |       |    |    | 1851.5 | 1880  | 1908.5 |                        |
| 3               | QPSK  | 1  | 0  | 18.83  | 18.88 | 18.71  | 20.00                  |
| 3               | QPSK  | 1  | 8  | 18.57  | 18.84 | 18.59  | 20.00                  |
| 3               | QPSK  | 1  | 14 | 18.49  | 18.70 | 18.53  | 20.00                  |
| 3               | QPSK  | 8  | 0  | 18.57  | 18.78 | 18.68  | 20.00                  |
| 3               | QPSK  | 8  | 4  | 18.50  | 18.70 | 18.38  | 20.00                  |
| 3               | QPSK  | 8  | 7  | 18.60  | 18.73 | 18.61  | 20.00                  |
| 3               | QPSK  | 15 | 0  | 18.69  | 18.81 | 18.55  | 20.00                  |
| 3               | 16QAM | 1  | 0  | 18.70  | 18.77 | 18.65  | 20.00                  |
| 3               | 16QAM | 1  | 8  | 18.54  | 18.75 | 18.53  | 20.00                  |
| 3               | 16QAM | 1  | 14 | 18.64  | 18.80 | 18.70  | 20.00                  |
| 3               | 16QAM | 8  | 0  | 18.60  | 18.72 | 18.48  | 20.00                  |
| 3               | 16QAM | 8  | 4  | 18.69  | 18.77 | 18.49  | 20.00                  |
| 3               | 16QAM | 8  | 7  | 18.54  | 18.67 | 18.53  | 20.00                  |
| 3               | 16QAM | 15 | 0  | 18.54  | 18.74 | 18.52  | 20.00                  |
| 3               | 64QAM | 1  | 0  | 18.65  | 18.78 | 18.61  | 20.00                  |
| 3               | 64QAM | 1  | 8  | 18.62  | 18.64 | 18.38  | 20.00                  |
| 3               | 64QAM | 1  | 14 | 18.47  | 18.62 | 18.41  | 20.00                  |
| 3               | 64QAM | 8  | 0  | 18.51  | 18.65 | 18.39  | 20.00                  |
| 3               | 64QAM | 8  | 4  | 18.74  | 18.84 | 18.62  | 20.00                  |
| 3               | 64QAM | 8  | 7  | 18.79  | 18.75 | 18.57  | 20.00                  |
| 3               | 64QAM | 15 | 0  | 18.61  | 18.83 | 18.72  | 20.00                  |
| Channel         |       |    |    | 18607  | 18900 | 19193  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |       |    |    | 1850.7 | 1880  | 1909.3 |                        |
| 1.4             | QPSK  | 1  | 0  | 18.74  | 18.79 | 18.63  | 20.00                  |
| 1.4             | QPSK  | 1  | 3  | 18.57  | 18.80 | 18.50  | 20.00                  |
| 1.4             | QPSK  | 1  | 5  | 18.49  | 18.62 | 18.53  | 20.00                  |
| 1.4             | QPSK  | 3  | 0  | 18.58  | 18.83 | 18.72  | 20.00                  |
| 1.4             | QPSK  | 3  | 1  | 18.44  | 18.72 | 18.42  | 20.00                  |
| 1.4             | QPSK  | 3  | 3  | 18.56  | 18.76 | 18.61  | 20.00                  |
| 1.4             | QPSK  | 6  | 0  | 17.70  | 17.77 | 17.54  | 19.00                  |
| 1.4             | 16QAM | 1  | 0  | 17.59  | 17.84 | 17.56  | 19.00                  |
| 1.4             | 16QAM | 1  | 3  | 17.53  | 17.71 | 17.47  | 19.00                  |
| 1.4             | 16QAM | 1  | 5  | 17.65  | 17.85 | 17.69  | 19.00                  |
| 1.4             | 16QAM | 3  | 0  | 17.52  | 17.67 | 17.52  | 19.00                  |
| 1.4             | 16QAM | 3  | 1  | 17.66  | 17.78 | 17.58  | 19.00                  |
| 1.4             | 16QAM | 3  | 3  | 17.52  | 17.61 | 17.47  | 19.00                  |
| 1.4             | 16QAM | 6  | 0  | 16.44  | 16.68 | 16.50  | 18.00                  |
| 1.4             | 64QAM | 1  | 0  | 16.73  | 16.78 | 16.58  | 18.00                  |
| 1.4             | 64QAM | 1  | 3  | 16.58  | 16.70 | 16.48  | 18.00                  |
| 1.4             | 64QAM | 1  | 5  | 16.46  | 16.66 | 16.37  | 18.00                  |
| 1.4             | 64QAM | 3  | 0  | 16.51  | 16.66 | 16.32  | 18.00                  |
| 1.4             | 64QAM | 3  | 1  | 16.62  | 16.80 | 16.59  | 18.00                  |
| 1.4             | 64QAM | 3  | 3  | 16.77  | 16.75 | 16.56  | 18.00                  |
| 1.4             | 64QAM | 6  | 0  | 15.69  | 15.78 | 15.61  | 17.00                  |



## 【LTE Band 4\_Ant 0】

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 20050                    | 20175                       | 20300                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1720                     | 1732.5                      | 1745                      |                        |
| 20              | QPSK       | 1       | 0         | 20.13                    | 20.19                       | 20.16                     | 21.00                  |
| 20              | QPSK       | 1       | 49        | 19.97                    | 20.10                       | 20.02                     | 21.00                  |
| 20              | QPSK       | 1       | 99        | 19.80                    | 19.97                       | 19.84                     | 21.00                  |
| 20              | QPSK       | 50      | 0         | 20.08                    | 20.15                       | 19.98                     | 21.00                  |
| 20              | QPSK       | 50      | 24        | 19.96                    | 20.07                       | 19.93                     | 21.00                  |
| 20              | QPSK       | 50      | 50        | 20.00                    | 20.10                       | 19.94                     | 21.00                  |
| 20              | QPSK       | 100     | 0         | 19.94                    | 20.13                       | 19.97                     | 21.00                  |
| 20              | 16QAM      | 1       | 0         | 19.78                    | 19.97                       | 19.82                     | 21.00                  |
| 20              | 16QAM      | 1       | 49        | 19.97                    | 20.16                       | 20.04                     | 21.00                  |
| 20              | 16QAM      | 1       | 99        | 19.92                    | 20.05                       | 19.88                     | 21.00                  |
| 20              | 16QAM      | 50      | 0         | 20.05                    | 20.14                       | 20.03                     | 21.00                  |
| 20              | 16QAM      | 50      | 24        | 19.93                    | 20.11                       | 19.96                     | 21.00                  |
| 20              | 16QAM      | 50      | 50        | 19.87                    | 19.97                       | 19.84                     | 21.00                  |
| 20              | 16QAM      | 100     | 0         | 20.11                    | 20.19                       | 20.08                     | 21.00                  |
| 20              | 64QAM      | 1       | 0         | 20.07                    | 20.16                       | 20.08                     | 21.00                  |
| 20              | 64QAM      | 1       | 49        | 19.86                    | 20.03                       | 19.90                     | 21.00                  |
| 20              | 64QAM      | 1       | 99        | 19.86                    | 20.05                       | 19.89                     | 21.00                  |
| 20              | 64QAM      | 50      | 0         | 19.91                    | 20.11                       | 19.97                     | 21.00                  |
| 20              | 64QAM      | 50      | 24        | 19.98                    | 20.13                       | 20.09                     | 21.00                  |
| 20              | 64QAM      | 50      | 50        | 20.00                    | 20.08                       | 19.99                     | 21.00                  |
| 20              | 64QAM      | 100     | 0         | 19.93                    | 20.12                       | 19.96                     | 21.00                  |
| Channel         |            |         |           | 20025                    | 20175                       | 20325                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1717.5                   | 1732.5                      | 1747.5                    |                        |
| 15              | QPSK       | 1       | 0         | 19.99                    | 20.12                       | 20.04                     | 21.00                  |
| 15              | QPSK       | 1       | 37        | 19.94                    | 20.04                       | 19.96                     | 21.00                  |
| 15              | QPSK       | 1       | 74        | 19.74                    | 19.94                       | 19.77                     | 21.00                  |
| 15              | QPSK       | 36      | 0         | 19.96                    | 20.10                       | 19.95                     | 21.00                  |
| 15              | QPSK       | 36      | 20        | 19.92                    | 20.03                       | 19.81                     | 21.00                  |
| 15              | QPSK       | 36      | 39        | 19.91                    | 19.96                       | 19.93                     | 21.00                  |
| 15              | QPSK       | 75      | 0         | 19.83                    | 19.99                       | 19.89                     | 21.00                  |
| 15              | 16QAM      | 1       | 0         | 19.68                    | 19.90                       | 19.76                     | 21.00                  |
| 15              | 16QAM      | 1       | 37        | 19.94                    | 20.05                       | 19.96                     | 21.00                  |
| 15              | 16QAM      | 1       | 74        | 19.83                    | 20.02                       | 19.83                     | 21.00                  |
| 15              | 16QAM      | 36      | 0         | 19.90                    | 20.11                       | 19.92                     | 21.00                  |
| 15              | 16QAM      | 36      | 20        | 19.82                    | 20.03                       | 19.90                     | 21.00                  |
| 15              | 16QAM      | 36      | 39        | 19.76                    | 19.88                       | 19.69                     | 21.00                  |
| 15              | 16QAM      | 75      | 0         | 19.97                    | 20.17                       | 20.06                     | 21.00                  |
| 15              | 64QAM      | 1       | 0         | 20.05                    | 20.05                       | 20.05                     | 21.00                  |
| 15              | 64QAM      | 1       | 37        | 19.82                    | 19.97                       | 19.85                     | 21.00                  |
| 15              | 64QAM      | 1       | 74        | 19.75                    | 19.99                       | 19.87                     | 21.00                  |
| 15              | 64QAM      | 36      | 0         | 19.88                    | 19.96                       | 19.87                     | 21.00                  |
| 15              | 64QAM      | 36      | 20        | 19.91                    | 20.04                       | 20.07                     | 21.00                  |
| 15              | 64QAM      | 36      | 39        | 19.94                    | 20.00                       | 19.94                     | 21.00                  |
| 15              | 64QAM      | 75      | 0         | 19.89                    | 20.11                       | 19.86                     | 21.00                  |
| Channel         |            |         |           | 20000                    | 20175                       | 20350                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1715                     | 1732.5                      | 1750                      |                        |
| 10              | QPSK       | 1       | 0         | 20.09                    | 20.09                       | 20.08                     | 21.00                  |
| 10              | QPSK       | 1       | 25        | 19.94                    | 20.08                       | 20.01                     | 21.00                  |
| 10              | QPSK       | 1       | 49        | 19.79                    | 19.86                       | 19.82                     | 21.00                  |
| 10              | QPSK       | 25      | 0         | 20.05                    | 20.11                       | 19.92                     | 21.00                  |
| 10              | QPSK       | 25      | 12        | 19.93                    | 20.05                       | 19.91                     | 21.00                  |
| 10              | QPSK       | 25      | 25        | 19.96                    | 19.99                       | 19.89                     | 21.00                  |
| 10              | QPSK       | 50      | 0         | 19.87                    | 19.99                       | 19.89                     | 21.00                  |
| 10              | 16QAM      | 1       | 0         | 19.75                    | 19.89                       | 19.79                     | 21.00                  |
| 10              | 16QAM      | 1       | 25        | 19.84                    | 20.06                       | 19.97                     | 21.00                  |
| 10              | 16QAM      | 1       | 49        | 19.89                    | 20.02                       | 19.80                     | 21.00                  |
| 10              | 16QAM      | 25      | 0         | 19.97                    | 20.10                       | 19.99                     | 21.00                  |
| 10              | 16QAM      | 25      | 12        | 19.88                    | 20.08                       | 19.92                     | 21.00                  |
| 10              | 16QAM      | 25      | 25        | 19.75                    | 19.87                       | 19.72                     | 21.00                  |
| 10              | 16QAM      | 50      | 0         | 19.99                    | 20.13                       | 20.01                     | 21.00                  |
| 10              | 64QAM      | 1       | 0         | 19.96                    | 20.12                       | 20.02                     | 21.00                  |
| 10              | 64QAM      | 1       | 25        | 19.85                    | 19.94                       | 19.81                     | 21.00                  |
| 10              | 64QAM      | 1       | 49        | 19.72                    | 19.94                       | 19.75                     | 21.00                  |
| 10              | 64QAM      | 25      | 0         | 19.88                    | 20.09                       | 19.84                     | 21.00                  |
| 10              | 64QAM      | 25      | 12        | 19.85                    | 20.11                       | 20.03                     | 21.00                  |
| 10              | 64QAM      | 25      | 25        | 19.99                    | 20.02                       | 19.94                     | 21.00                  |
| 10              | 64QAM      | 50      | 0         | 19.85                    | 20.08                       | 19.92                     | 21.00                  |
| Channel         |            |         |           | 19975                    | 20175                       | 20375                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1712.5                   | 1732.5                      | 1752.5                    |                        |
| 5               | QPSK       | 1       | 0         | 19.99                    | 20.09                       | 20.04                     | 21.00                  |
| 5               | QPSK       | 1       | 12        | 19.94                    | 19.95                       | 19.95                     | 21.00                  |



|                 |       |    |    |        |        |        |               |
|-----------------|-------|----|----|--------|--------|--------|---------------|
| 5               | QPSK  | 1  | 24 | 19.74  | 19.85  | 19.79  | 21.00         |
| 5               | QPSK  | 12 | 0  | 19.93  | 20.05  | 19.94  | 21.00         |
| 5               | QPSK  | 12 | 7  | 19.94  | 19.96  | 19.91  | 21.00         |
| 5               | QPSK  | 12 | 13 | 19.97  | 20.08  | 19.92  | 21.00         |
| 5               | QPSK  | 25 | 0  | 19.92  | 20.01  | 19.88  | 21.00         |
| 5               | 16QAM | 1  | 0  | 19.64  | 19.92  | 19.72  | 21.00         |
| 5               | 16QAM | 1  | 12 | 19.85  | 20.12  | 19.89  | 21.00         |
| 5               | 16QAM | 1  | 24 | 19.88  | 19.99  | 19.77  | 21.00         |
| 5               | 16QAM | 12 | 0  | 19.94  | 20.05  | 19.96  | 21.00         |
| 5               | 16QAM | 12 | 7  | 19.85  | 20.04  | 19.90  | 21.00         |
| 5               | 16QAM | 12 | 13 | 19.73  | 19.91  | 19.71  | 21.00         |
| 5               | 16QAM | 25 | 0  | 19.98  | 20.14  | 19.99  | 21.00         |
| 5               | 64QAM | 1  | 0  | 19.97  | 20.12  | 19.95  | 21.00         |
| 5               | 64QAM | 1  | 12 | 19.84  | 19.97  | 19.85  | 21.00         |
| 5               | 64QAM | 1  | 24 | 19.83  | 19.98  | 19.74  | 21.00         |
| 5               | 64QAM | 12 | 0  | 19.79  | 20.06  | 19.84  | 21.00         |
| 5               | 64QAM | 12 | 7  | 19.94  | 19.99  | 19.95  | 21.00         |
| 5               | 64QAM | 12 | 13 | 19.90  | 20.04  | 19.87  | 21.00         |
| 5               | 64QAM | 25 | 0  | 19.81  | 20.09  | 19.84  | 21.00         |
| Channel         |       |    |    | 19965  | 20175  | 20385  | Tune-up limit |
| Frequency (MHz) |       |    |    | 1711.5 | 1732.5 | 1753.5 | (dBm)         |
| 3               | QPSK  | 1  | 0  | 19.99  | 20.05  | 20.04  | 21.00         |
| 3               | QPSK  | 1  | 8  | 19.95  | 20.04  | 19.91  | 21.00         |
| 3               | QPSK  | 1  | 14 | 19.75  | 19.88  | 19.82  | 21.00         |
| 3               | QPSK  | 8  | 0  | 19.95  | 20.12  | 19.90  | 21.00         |
| 3               | QPSK  | 8  | 4  | 19.81  | 20.04  | 19.91  | 21.00         |
| 3               | QPSK  | 8  | 7  | 19.88  | 19.95  | 19.80  | 21.00         |
| 3               | QPSK  | 15 | 0  | 19.83  | 20.06  | 19.84  | 21.00         |
| 3               | 16QAM | 1  | 0  | 19.70  | 19.93  | 19.79  | 21.00         |
| 3               | 16QAM | 1  | 8  | 19.89  | 20.15  | 19.95  | 21.00         |
| 3               | 16QAM | 1  | 14 | 19.88  | 20.04  | 19.75  | 21.00         |
| 3               | 16QAM | 8  | 0  | 19.95  | 20.12  | 19.93  | 21.00         |
| 3               | 16QAM | 8  | 4  | 19.85  | 20.05  | 19.92  | 21.00         |
| 3               | 16QAM | 8  | 7  | 19.81  | 19.94  | 19.72  | 21.00         |
| 3               | 16QAM | 15 | 0  | 20.08  | 20.08  | 20.04  | 21.00         |
| 3               | 64QAM | 1  | 0  | 20.06  | 20.14  | 19.97  | 21.00         |
| 3               | 64QAM | 1  | 8  | 19.82  | 20.01  | 19.86  | 21.00         |
| 3               | 64QAM | 1  | 14 | 19.77  | 20.03  | 19.82  | 21.00         |
| 3               | 64QAM | 8  | 0  | 19.78  | 20.01  | 19.87  | 21.00         |
| 3               | 64QAM | 8  | 4  | 19.89  | 20.07  | 19.96  | 21.00         |
| 3               | 64QAM | 8  | 7  | 19.89  | 20.06  | 19.90  | 21.00         |
| 3               | 64QAM | 15 | 0  | 19.78  | 20.04  | 19.89  | 21.00         |
| Channel         |       |    |    | 19957  | 20175  | 20393  | Tune-up limit |
| Frequency (MHz) |       |    |    | 1710.7 | 1732.5 | 1754.3 | (dBm)         |
| 1.4             | QPSK  | 1  | 0  | 20.03  | 20.10  | 20.09  | 21.00         |
| 1.4             | QPSK  | 1  | 3  | 19.89  | 20.01  | 19.95  | 21.00         |
| 1.4             | QPSK  | 1  | 5  | 19.72  | 19.92  | 19.83  | 21.00         |
| 1.4             | QPSK  | 3  | 0  | 20.04  | 20.08  | 19.95  | 21.00         |
| 1.4             | QPSK  | 3  | 1  | 19.88  | 19.94  | 19.92  | 21.00         |
| 1.4             | QPSK  | 3  | 3  | 19.92  | 20.04  | 19.81  | 21.00         |
| 1.4             | QPSK  | 6  | 0  | 18.81  | 19.03  | 18.87  | 20.00         |
| 1.4             | 16QAM | 1  | 0  | 18.71  | 18.95  | 18.72  | 20.00         |
| 1.4             | 16QAM | 1  | 3  | 18.84  | 19.14  | 18.89  | 20.00         |
| 1.4             | 16QAM | 1  | 5  | 18.87  | 18.97  | 18.81  | 20.00         |
| 1.4             | 16QAM | 3  | 0  | 18.98  | 19.01  | 18.99  | 20.00         |
| 1.4             | 16QAM | 3  | 1  | 18.80  | 19.02  | 18.89  | 20.00         |
| 1.4             | 16QAM | 3  | 3  | 18.74  | 18.90  | 18.72  | 20.00         |
| 1.4             | 16QAM | 6  | 0  | 18.08  | 18.08  | 17.95  | 19.00         |
| 1.4             | 64QAM | 1  | 0  | 17.98  | 18.06  | 18.06  | 19.00         |
| 1.4             | 64QAM | 1  | 3  | 17.78  | 17.97  | 17.87  | 19.00         |
| 1.4             | 64QAM | 1  | 5  | 17.79  | 17.91  | 17.78  | 19.00         |
| 1.4             | 64QAM | 3  | 0  | 17.76  | 17.99  | 17.84  | 19.00         |
| 1.4             | 64QAM | 3  | 1  | 17.96  | 18.04  | 17.99  | 19.00         |
| 1.4             | 64QAM | 3  | 3  | 17.88  | 17.94  | 17.96  | 19.00         |
| 1.4             | 64QAM | 6  | 0  | 16.91  | 16.99  | 16.87  | 18.00         |

**【LTE Band 5\_Ant 0】**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 20450                    | 20525                       | 20600                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 829                      | 836.5                       | 844                       |                        |
| 10              | QPSK       | 1       | 0         | 24.47                    | 24.50                       | 24.49                     | 25.00                  |
| 10              | QPSK       | 1       | 25        | 24.32                    | 24.42                       | 24.34                     | 25.00                  |
| 10              | QPSK       | 1       | 49        | 24.29                    | 24.38                       | 24.28                     | 25.00                  |
| 10              | QPSK       | 25      | 0         | 23.44                    | 23.52                       | 23.43                     | 24.00                  |
| 10              | QPSK       | 25      | 12        | 23.22                    | 23.31                       | 23.25                     | 24.00                  |
| 10              | QPSK       | 25      | 25        | 23.41                    | 23.46                       | 23.38                     | 24.00                  |
| 10              | QPSK       | 50      | 0         | 23.38                    | 23.48                       | 23.43                     | 24.00                  |
| 10              | 16QAM      | 1       | 0         | 23.25                    | 23.41                       | 23.38                     | 24.00                  |
| 10              | 16QAM      | 1       | 25        | 23.44                    | 23.53                       | 23.46                     | 24.00                  |
| 10              | 16QAM      | 1       | 49        | 23.32                    | 23.39                       | 23.31                     | 24.00                  |
| 10              | 16QAM      | 25      | 0         | 22.50                    | 22.56                       | 22.40                     | 23.00                  |
| 10              | 16QAM      | 25      | 12        | 22.38                    | 22.51                       | 22.44                     | 23.00                  |
| 10              | 16QAM      | 25      | 25        | 22.35                    | 22.48                       | 22.38                     | 23.00                  |
| 10              | 16QAM      | 50      | 0         | 22.35                    | 22.43                       | 22.41                     | 23.00                  |
| 10              | 64QAM      | 1       | 0         | 22.55                    | 22.62                       | 22.47                     | 23.00                  |
| 10              | 64QAM      | 1       | 25        | 22.50                    | 22.59                       | 22.50                     | 23.00                  |
| 10              | 64QAM      | 1       | 49        | 22.44                    | 22.56                       | 22.46                     | 23.00                  |
| 10              | 64QAM      | 25      | 0         | 21.54                    | 21.58                       | 21.47                     | 22.00                  |
| 10              | 64QAM      | 25      | 12        | 21.22                    | 21.39                       | 21.29                     | 22.00                  |
| 10              | 64QAM      | 25      | 25        | 21.41                    | 21.46                       | 21.33                     | 22.00                  |
| 10              | 64QAM      | 50      | 0         | 21.28                    | 21.35                       | 21.24                     | 22.00                  |
| Channel         |            |         |           | 20425                    | 20525                       | 20625                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 826.5                    | 836.5                       | 846.5                     |                        |
| 5               | QPSK       | 1       | 0         | 24.42                    | 24.38                       | 24.45                     | 25.00                  |
| 5               | QPSK       | 1       | 12        | 24.27                    | 24.33                       | 24.27                     | 25.00                  |
| 5               | QPSK       | 1       | 24        | 24.20                    | 24.35                       | 24.25                     | 25.00                  |
| 5               | QPSK       | 12      | 0         | 23.33                    | 23.44                       | 23.42                     | 24.00                  |
| 5               | QPSK       | 12      | 7         | 23.14                    | 23.17                       | 23.13                     | 24.00                  |
| 5               | QPSK       | 12      | 13        | 23.38                    | 23.39                       | 23.36                     | 24.00                  |
| 5               | QPSK       | 25      | 0         | 23.31                    | 23.41                       | 23.34                     | 24.00                  |
| 5               | 16QAM      | 1       | 0         | 23.20                    | 23.38                       | 23.29                     | 24.00                  |
| 5               | 16QAM      | 1       | 12        | 23.42                    | 23.40                       | 23.35                     | 24.00                  |
| 5               | 16QAM      | 1       | 24        | 23.28                    | 23.34                       | 23.18                     | 24.00                  |
| 5               | 16QAM      | 12      | 0         | 22.46                    | 22.54                       | 22.37                     | 23.00                  |
| 5               | 16QAM      | 12      | 7         | 22.35                    | 22.44                       | 22.42                     | 23.00                  |
| 5               | 16QAM      | 12      | 13        | 22.24                    | 22.39                       | 22.29                     | 23.00                  |
| 5               | 16QAM      | 25      | 0         | 22.22                    | 22.32                       | 22.33                     | 23.00                  |
| 5               | 64QAM      | 1       | 0         | 22.53                    | 22.51                       | 22.34                     | 23.00                  |
| 5               | 64QAM      | 1       | 12        | 22.44                    | 22.54                       | 22.49                     | 23.00                  |
| 5               | 64QAM      | 1       | 24        | 22.39                    | 22.53                       | 22.39                     | 23.00                  |
| 5               | 64QAM      | 12      | 0         | 21.53                    | 21.54                       | 21.38                     | 22.00                  |
| 5               | 64QAM      | 12      | 7         | 21.11                    | 21.31                       | 21.22                     | 22.00                  |
| 5               | 64QAM      | 12      | 13        | 21.32                    | 21.41                       | 21.18                     | 22.00                  |
| 5               | 64QAM      | 25      | 0         | 21.14                    | 21.23                       | 21.18                     | 22.00                  |
| Channel         |            |         |           | 20415                    | 20525                       | 20635                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 825.5                    | 836.5                       | 847.5                     |                        |
| 3               | QPSK       | 1       | 0         | 24.33                    | 24.46                       | 24.35                     | 25.00                  |
| 3               | QPSK       | 1       | 8         | 24.31                    | 24.30                       | 24.21                     | 25.00                  |
| 3               | QPSK       | 1       | 14        | 24.23                    | 24.37                       | 24.19                     | 25.00                  |
| 3               | QPSK       | 8       | 0         | 23.41                    | 23.46                       | 23.32                     | 24.00                  |
| 3               | QPSK       | 8       | 4         | 23.19                    | 23.26                       | 23.13                     | 24.00                  |
| 3               | QPSK       | 8       | 7         | 23.26                    | 23.32                       | 23.37                     | 24.00                  |
| 3               | QPSK       | 15      | 0         | 23.36                    | 23.42                       | 23.32                     | 24.00                  |
| 3               | 16QAM      | 1       | 0         | 23.14                    | 23.37                       | 23.31                     | 24.00                  |
| 3               | 16QAM      | 1       | 8         | 23.34                    | 23.49                       | 23.36                     | 24.00                  |
| 3               | 16QAM      | 1       | 14        | 23.29                    | 23.34                       | 23.26                     | 24.00                  |
| 3               | 16QAM      | 8       | 0         | 22.43                    | 22.53                       | 22.38                     | 23.00                  |
| 3               | 16QAM      | 8       | 4         | 22.32                    | 22.42                       | 22.33                     | 23.00                  |
| 3               | 16QAM      | 8       | 7         | 22.27                    | 22.37                       | 22.30                     | 23.00                  |
| 3               | 16QAM      | 15      | 0         | 22.34                    | 22.35                       | 22.38                     | 23.00                  |
| 3               | 64QAM      | 1       | 0         | 22.45                    | 22.48                       | 22.40                     | 23.00                  |
| 3               | 64QAM      | 1       | 8         | 22.36                    | 22.53                       | 22.44                     | 23.00                  |
| 3               | 64QAM      | 1       | 14        | 22.35                    | 22.43                       | 22.32                     | 23.00                  |
| 3               | 64QAM      | 8       | 0         | 21.48                    | 21.51                       | 21.46                     | 22.00                  |
| 3               | 64QAM      | 8       | 4         | 21.18                    | 21.31                       | 21.24                     | 22.00                  |
| 3               | 64QAM      | 8       | 7         | 21.34                    | 21.34                       | 21.21                     | 22.00                  |
| 3               | 64QAM      | 15      | 0         | 21.17                    | 21.26                       | 21.09                     | 22.00                  |
| Channel         |            |         |           | 20407                    | 20525                       | 20643                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 824.7                    | 836.5                       | 848.3                     |                        |
| 1.4             | QPSK       | 1       | 0         | 24.35                    | 24.37                       | 24.38                     | 25.00                  |
| 1.4             | QPSK       | 1       | 3         | 24.24                    | 24.31                       | 24.20                     | 25.00                  |



|     |       |   |   |       |       |       |       |
|-----|-------|---|---|-------|-------|-------|-------|
| 1.4 | QPSK  | 1 | 5 | 24.16 | 24.33 | 24.14 | 25.00 |
| 1.4 | QPSK  | 3 | 0 | 24.35 | 24.39 | 24.34 | 25.00 |
| 1.4 | QPSK  | 3 | 1 | 24.11 | 24.21 | 24.18 | 25.00 |
| 1.4 | QPSK  | 3 | 3 | 24.31 | 24.36 | 24.30 | 25.00 |
| 1.4 | QPSK  | 6 | 0 | 23.23 | 23.42 | 23.30 | 24.00 |
| 1.4 | 16QAM | 1 | 0 | 23.22 | 23.32 | 23.27 | 24.00 |
| 1.4 | 16QAM | 1 | 3 | 23.41 | 23.46 | 23.36 | 24.00 |
| 1.4 | 16QAM | 1 | 5 | 23.29 | 23.27 | 23.22 | 24.00 |
| 1.4 | 16QAM | 3 | 0 | 23.40 | 23.44 | 23.28 | 24.00 |
| 1.4 | 16QAM | 3 | 1 | 23.34 | 23.48 | 23.39 | 24.00 |
| 1.4 | 16QAM | 3 | 3 | 23.30 | 23.41 | 23.34 | 24.00 |
| 1.4 | 16QAM | 6 | 0 | 22.27 | 22.31 | 22.31 | 23.00 |
| 1.4 | 64QAM | 1 | 0 | 22.52 | 22.58 | 22.44 | 23.00 |
| 1.4 | 64QAM | 1 | 3 | 22.36 | 22.51 | 22.38 | 23.00 |
| 1.4 | 64QAM | 1 | 5 | 22.35 | 22.52 | 22.43 | 23.00 |
| 1.4 | 64QAM | 3 | 0 | 22.44 | 22.51 | 22.33 | 23.00 |
| 1.4 | 64QAM | 3 | 1 | 22.17 | 22.24 | 22.23 | 23.00 |
| 1.4 | 64QAM | 3 | 3 | 22.35 | 22.35 | 22.20 | 23.00 |
| 1.4 | 64QAM | 6 | 0 | 21.22 | 21.21 | 21.22 | 22.00 |

【LTE Band 12\_Ant 0】

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 23060                 | 23095                    | 23130                  | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 704                   | 707.5                    | 711                    |                     |
| 10              | QPSK       | 1       | 0         | 24.02                 | 24.15                    | 24.09                  | 25.00               |
| 10              | QPSK       | 1       | 25        | 23.77                 | 24.03                    | 23.86                  | 25.00               |
| 10              | QPSK       | 1       | 49        | 23.83                 | 24.09                    | 23.99                  | 25.00               |
| 10              | QPSK       | 25      | 0         | 23.06                 | 23.13                    | 23.03                  | 24.00               |
| 10              | QPSK       | 25      | 12        | 22.82                 | 23.03                    | 22.95                  | 24.00               |
| 10              | QPSK       | 25      | 25        | 22.95                 | 23.08                    | 22.88                  | 24.00               |
| 10              | QPSK       | 50      | 0         | 22.83                 | 23.10                    | 22.98                  | 24.00               |
| 10              | 16QAM      | 1       | 0         | 23.20                 | 23.35                    | 23.27                  | 24.00               |
| 10              | 16QAM      | 1       | 25        | 23.08                 | 23.26                    | 23.13                  | 24.00               |
| 10              | 16QAM      | 1       | 49        | 23.03                 | 23.25                    | 23.18                  | 24.00               |
| 10              | 16QAM      | 25      | 0         | 21.79                 | 21.99                    | 21.91                  | 23.00               |
| 10              | 16QAM      | 25      | 12        | 21.65                 | 21.83                    | 21.75                  | 23.00               |
| 10              | 16QAM      | 25      | 25        | 21.68                 | 21.85                    | 21.74                  | 23.00               |
| 10              | 16QAM      | 50      | 0         | 21.55                 | 21.76                    | 21.68                  | 23.00               |
| 10              | 64QAM      | 1       | 0         | 22.02                 | 22.16                    | 21.96                  | 23.00               |
| 10              | 64QAM      | 1       | 25        | 21.90                 | 22.06                    | 21.91                  | 23.00               |
| 10              | 64QAM      | 1       | 49        | 21.85                 | 22.11                    | 22.03                  | 23.00               |
| 10              | 64QAM      | 25      | 0         | 20.76                 | 21.01                    | 20.92                  | 22.00               |
| 10              | 64QAM      | 25      | 12        | 20.71                 | 20.95                    | 20.76                  | 22.00               |
| 10              | 64QAM      | 25      | 25        | 20.81                 | 20.99                    | 20.90                  | 22.00               |
| 10              | 64QAM      | 50      | 0         | 20.72                 | 20.91                    | 20.81                  | 22.00               |
| Channel         |            |         |           | 23035                 | 23095                    | 23115                  | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 701.5                 | 707.5                    | 713.5                  |                     |
| 5               | QPSK       | 1       | 0         | 23.92                 | 24.14                    | 23.94                  | 25.00               |
| 5               | QPSK       | 1       | 12        | 23.75                 | 24.00                    | 23.83                  | 25.00               |
| 5               | QPSK       | 1       | 24        | 23.78                 | 24.01                    | 23.89                  | 25.00               |
| 5               | QPSK       | 12      | 0         | 23.00                 | 23.12                    | 22.89                  | 24.00               |
| 5               | QPSK       | 12      | 7         | 22.67                 | 22.95                    | 22.83                  | 24.00               |
| 5               | QPSK       | 12      | 13        | 22.85                 | 23.04                    | 22.81                  | 24.00               |
| 5               | QPSK       | 25      | 0         | 22.73                 | 22.97                    | 22.93                  | 24.00               |
| 5               | 16QAM      | 1       | 0         | 23.08                 | 23.21                    | 23.18                  | 24.00               |
| 5               | 16QAM      | 1       | 12        | 23.03                 | 23.13                    | 23.11                  | 24.00               |
| 5               | 16QAM      | 1       | 24        | 23.00                 | 23.17                    | 23.09                  | 24.00               |
| 5               | 16QAM      | 12      | 0         | 21.66                 | 21.90                    | 21.89                  | 23.00               |
| 5               | 16QAM      | 12      | 7         | 21.54                 | 21.73                    | 21.73                  | 23.00               |
| 5               | 16QAM      | 12      | 13        | 21.55                 | 21.75                    | 21.73                  | 23.00               |
| 5               | 16QAM      | 25      | 0         | 21.50                 | 21.69                    | 21.62                  | 23.00               |
| 5               | 64QAM      | 1       | 0         | 21.87                 | 22.07                    | 21.86                  | 23.00               |
| 5               | 64QAM      | 1       | 12        | 21.77                 | 21.97                    | 21.77                  | 23.00               |
| 5               | 64QAM      | 1       | 24        | 21.72                 | 21.99                    | 21.94                  | 23.00               |
| 5               | 64QAM      | 12      | 0         | 20.68                 | 20.88                    | 20.87                  | 22.00               |
| 5               | 64QAM      | 12      | 7         | 20.57                 | 20.89                    | 20.63                  | 22.00               |
| 5               | 64QAM      | 12      | 13        | 20.78                 | 20.94                    | 20.89                  | 22.00               |
| 5               | 64QAM      | 25      | 0         | 20.69                 | 20.87                    | 20.74                  | 22.00               |
| Channel         |            |         |           | 23025                 | 23095                    | 23165                  | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 700.5                 | 707.5                    | 714.5                  |                     |
| 3               | QPSK       | 1       | 0         | 23.98                 | 24.09                    | 23.95                  | 25.00               |

|                 |       |    |    |       |       |       |                        |
|-----------------|-------|----|----|-------|-------|-------|------------------------|
| 3               | QPSK  | 1  | 8  | 23.73 | 23.90 | 23.84 | 25.00                  |
| 3               | QPSK  | 1  | 14 | 23.75 | 23.96 | 23.91 | 25.00                  |
| 3               | QPSK  | 8  | 0  | 22.94 | 23.05 | 23.01 | 24.00                  |
| 3               | QPSK  | 8  | 4  | 22.80 | 22.91 | 22.82 | 24.00                  |
| 3               | QPSK  | 8  | 7  | 22.89 | 22.93 | 22.84 | 24.00                  |
| 3               | QPSK  | 15 | 0  | 22.76 | 22.98 | 22.88 | 24.00                  |
| 3               | 16QAM | 1  | 0  | 23.12 | 23.29 | 23.13 | 24.00                  |
| 3               | 16QAM | 1  | 8  | 22.97 | 23.23 | 23.02 | 24.00                  |
| 3               | 16QAM | 1  | 14 | 22.93 | 23.16 | 23.13 | 24.00                  |
| 3               | 16QAM | 8  | 0  | 21.69 | 21.94 | 21.85 | 23.00                  |
| 3               | 16QAM | 8  | 4  | 21.61 | 21.77 | 21.70 | 23.00                  |
| 3               | 16QAM | 8  | 7  | 21.65 | 21.76 | 21.60 | 23.00                  |
| 3               | 16QAM | 15 | 0  | 21.54 | 21.64 | 21.61 | 23.00                  |
| 3               | 64QAM | 1  | 0  | 21.97 | 22.05 | 21.82 | 23.00                  |
| 3               | 64QAM | 1  | 8  | 21.88 | 21.98 | 21.88 | 23.00                  |
| 3               | 64QAM | 1  | 14 | 21.83 | 22.00 | 22.01 | 23.00                  |
| 3               | 64QAM | 8  | 0  | 20.74 | 20.94 | 20.83 | 22.00                  |
| 3               | 64QAM | 8  | 4  | 20.67 | 20.93 | 20.70 | 22.00                  |
| 3               | 64QAM | 8  | 7  | 20.73 | 20.90 | 20.88 | 22.00                  |
| 3               | 64QAM | 15 | 0  | 20.59 | 20.83 | 20.73 | 22.00                  |
| Channel         |       |    |    | 23017 | 23095 | 23173 | Tune-up limit<br>(dBm) |
| Frequency (MHz) |       |    |    | 699.7 | 707.5 | 715.3 |                        |
| 1.4             | QPSK  | 1  | 0  | 23.92 | 24.04 | 24.07 | 25.00                  |
| 1.4             | QPSK  | 1  | 3  | 23.64 | 23.90 | 23.80 | 25.00                  |
| 1.4             | QPSK  | 1  | 5  | 23.70 | 24.06 | 23.88 | 25.00                  |
| 1.4             | QPSK  | 3  | 0  | 23.95 | 23.99 | 23.92 | 25.00                  |
| 1.4             | QPSK  | 3  | 1  | 23.71 | 23.94 | 23.85 | 25.00                  |
| 1.4             | QPSK  | 3  | 3  | 23.83 | 24.04 | 23.80 | 25.00                  |
| 1.4             | QPSK  | 6  | 0  | 22.79 | 23.00 | 22.89 | 24.00                  |
| 1.4             | 16QAM | 1  | 0  | 23.12 | 23.24 | 23.22 | 24.00                  |
| 1.4             | 16QAM | 1  | 3  | 22.98 | 23.12 | 23.09 | 24.00                  |
| 1.4             | 16QAM | 1  | 5  | 22.97 | 23.22 | 23.15 | 24.00                  |
| 1.4             | 16QAM | 3  | 0  | 22.69 | 22.89 | 22.87 | 24.00                  |
| 1.4             | 16QAM | 3  | 1  | 22.63 | 22.68 | 22.70 | 24.00                  |
| 1.4             | 16QAM | 3  | 3  | 22.55 | 22.81 | 22.69 | 24.00                  |
| 1.4             | 16QAM | 6  | 0  | 21.45 | 21.71 | 21.58 | 23.00                  |
| 1.4             | 64QAM | 1  | 0  | 21.91 | 22.02 | 21.84 | 23.00                  |
| 1.4             | 64QAM | 1  | 3  | 21.82 | 21.96 | 21.84 | 23.00                  |
| 1.4             | 64QAM | 1  | 5  | 21.72 | 21.98 | 22.00 | 23.00                  |
| 1.4             | 64QAM | 3  | 0  | 21.62 | 21.96 | 21.79 | 23.00                  |
| 1.4             | 64QAM | 3  | 1  | 21.66 | 21.85 | 21.65 | 23.00                  |
| 1.4             | 64QAM | 3  | 3  | 21.75 | 21.97 | 21.87 | 23.00                  |
| 1.4             | 64QAM | 6  | 0  | 20.67 | 20.77 | 20.71 | 22.00                  |

### 【LTE Band 38\_Ant 1】

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 37850                    | 38000                       | 38150                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 2580                     | 2595                        | 2610                      |                        |
| 20              | QPSK       | 1       | 0         | 24.02                    | 24.06                       | 24.04                     | 25.00                  |
| 20              | QPSK       | 1       | 49        | 23.77                    | 23.92                       | 23.82                     | 25.00                  |
| 20              | QPSK       | 1       | 99        | 23.72                    | 23.85                       | 23.73                     | 25.00                  |
| 20              | QPSK       | 50      | 0         | 23.01                    | 23.09                       | 22.95                     | 24.00                  |
| 20              | QPSK       | 50      | 24        | 22.79                    | 22.86                       | 22.73                     | 24.00                  |
| 20              | QPSK       | 50      | 50        | 22.89                    | 22.94                       | 22.85                     | 24.00                  |
| 20              | QPSK       | 100     | 0         | 23.00                    | 23.05                       | 22.96                     | 24.00                  |
| 20              | 16QAM      | 1       | 0         | 22.76                    | 22.91                       | 22.81                     | 24.00                  |
| 20              | 16QAM      | 1       | 49        | 22.68                    | 22.85                       | 22.73                     | 24.00                  |
| 20              | 16QAM      | 1       | 99        | 22.81                    | 22.88                       | 22.72                     | 24.00                  |
| 20              | 16QAM      | 50      | 0         | 21.76                    | 21.82                       | 21.68                     | 23.00                  |
| 20              | 16QAM      | 50      | 24        | 21.83                    | 21.94                       | 21.78                     | 23.00                  |
| 20              | 16QAM      | 50      | 50        | 21.70                    | 21.76                       | 21.67                     | 23.00                  |
| 20              | 16QAM      | 100     | 0         | 21.75                    | 21.82                       | 21.79                     | 23.00                  |
| 20              | 64QAM      | 1       | 0         | 21.55                    | 21.64                       | 21.60                     | 23.00                  |
| 20              | 64QAM      | 1       | 49        | 21.68                    | 21.78                       | 21.74                     | 23.00                  |
| 20              | 64QAM      | 1       | 99        | 21.53                    | 21.66                       | 21.58                     | 23.00                  |
| 20              | 64QAM      | 50      | 0         | 20.64                    | 20.81                       | 20.77                     | 22.00                  |
| 20              | 64QAM      | 50      | 24        | 20.53                    | 20.65                       | 20.54                     | 22.00                  |
| 20              | 64QAM      | 50      | 50        | 20.66                    | 20.74                       | 20.59                     | 22.00                  |
| 20              | 64QAM      | 100     | 0         | 20.80                    | 20.87                       | 20.82                     | 22.00                  |
| Channel         |            |         |           | 37825                    | 38000                       | 38175                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 2577.5                   | 2595                        | 2612.5                    |                        |



|                 |       |    |    |        |       |        |               |
|-----------------|-------|----|----|--------|-------|--------|---------------|
| 15              | QPSK  | 1  | 0  | 23.95  | 24.04 | 24.02  | 25.00         |
| 15              | QPSK  | 1  | 37 | 23.69  | 23.91 | 23.79  | 25.00         |
| 15              | QPSK  | 1  | 74 | 23.58  | 23.80 | 23.63  | 25.00         |
| 15              | QPSK  | 36 | 0  | 22.87  | 22.99 | 22.90  | 24.00         |
| 15              | QPSK  | 36 | 20 | 22.76  | 22.79 | 22.59  | 24.00         |
| 15              | QPSK  | 36 | 39 | 22.83  | 22.84 | 22.75  | 24.00         |
| 15              | QPSK  | 75 | 0  | 22.90  | 23.02 | 22.85  | 24.00         |
| 15              | 16QAM | 1  | 0  | 22.68  | 22.82 | 22.68  | 24.00         |
| 15              | 16QAM | 1  | 37 | 22.60  | 22.72 | 22.59  | 24.00         |
| 15              | 16QAM | 1  | 74 | 22.75  | 22.74 | 22.70  | 24.00         |
| 15              | 16QAM | 36 | 0  | 21.61  | 21.78 | 21.65  | 23.00         |
| 15              | 16QAM | 36 | 20 | 21.69  | 21.83 | 21.66  | 23.00         |
| 15              | 16QAM | 36 | 39 | 21.67  | 21.67 | 21.61  | 23.00         |
| 15              | 16QAM | 75 | 0  | 21.70  | 21.75 | 21.67  | 23.00         |
| 15              | 64QAM | 1  | 0  | 21.52  | 21.62 | 21.55  | 23.00         |
| 15              | 64QAM | 1  | 37 | 21.57  | 21.75 | 21.59  | 23.00         |
| 15              | 64QAM | 1  | 74 | 21.47  | 21.58 | 21.46  | 23.00         |
| 15              | 64QAM | 36 | 0  | 20.54  | 20.69 | 20.67  | 22.00         |
| 15              | 64QAM | 36 | 20 | 20.43  | 20.61 | 20.49  | 22.00         |
| 15              | 64QAM | 36 | 39 | 20.60  | 20.72 | 20.51  | 22.00         |
| 15              | 64QAM | 75 | 0  | 20.77  | 20.76 | 20.68  | 22.00         |
| Channel         |       |    |    | 37800  | 38000 | 38200  | Tune-up limit |
| Frequency (MHz) |       |    |    | 2575   | 2595  | 2615   | (dBm)         |
| 10              | QPSK  | 1  | 0  | 23.96  | 23.98 | 24.00  | 25.00         |
| 10              | QPSK  | 1  | 25 | 23.62  | 23.84 | 23.67  | 25.00         |
| 10              | QPSK  | 1  | 49 | 23.62  | 23.72 | 23.61  | 25.00         |
| 10              | QPSK  | 25 | 0  | 22.93  | 22.95 | 22.84  | 24.00         |
| 10              | QPSK  | 25 | 12 | 22.69  | 22.72 | 22.58  | 24.00         |
| 10              | QPSK  | 25 | 25 | 22.79  | 22.84 | 22.80  | 24.00         |
| 10              | QPSK  | 50 | 0  | 22.87  | 23.01 | 22.84  | 24.00         |
| 10              | 16QAM | 1  | 0  | 22.71  | 22.77 | 22.78  | 24.00         |
| 10              | 16QAM | 1  | 25 | 22.59  | 22.79 | 22.67  | 24.00         |
| 10              | 16QAM | 1  | 49 | 22.80  | 22.76 | 22.63  | 24.00         |
| 10              | 16QAM | 25 | 0  | 21.68  | 21.78 | 21.63  | 23.00         |
| 10              | 16QAM | 25 | 12 | 21.76  | 21.84 | 21.76  | 23.00         |
| 10              | 16QAM | 25 | 25 | 21.65  | 21.70 | 21.64  | 23.00         |
| 10              | 16QAM | 50 | 0  | 21.73  | 21.74 | 21.64  | 23.00         |
| 10              | 64QAM | 1  | 0  | 21.53  | 21.62 | 21.59  | 23.00         |
| 10              | 64QAM | 1  | 25 | 21.54  | 21.64 | 21.72  | 23.00         |
| 10              | 64QAM | 1  | 49 | 21.41  | 21.64 | 21.57  | 23.00         |
| 10              | 64QAM | 25 | 0  | 20.63  | 20.75 | 20.74  | 22.00         |
| 10              | 64QAM | 25 | 12 | 20.51  | 20.59 | 20.52  | 22.00         |
| 10              | 64QAM | 25 | 25 | 20.59  | 20.66 | 20.53  | 22.00         |
| 10              | 64QAM | 50 | 0  | 20.76  | 20.85 | 20.75  | 22.00         |
| Channel         |       |    |    | 37775  | 38000 | 38225  | Tune-up limit |
| Frequency (MHz) |       |    |    | 2572.5 | 2595  | 2617.5 | (dBm)         |
| 5               | QPSK  | 1  | 0  | 23.90  | 23.96 | 23.90  | 25.00         |
| 5               | QPSK  | 1  | 12 | 23.73  | 23.78 | 23.79  | 25.00         |
| 5               | QPSK  | 1  | 24 | 23.63  | 23.77 | 23.66  | 25.00         |
| 5               | QPSK  | 12 | 0  | 22.92  | 23.07 | 22.90  | 24.00         |
| 5               | QPSK  | 12 | 7  | 22.65  | 22.82 | 22.60  | 24.00         |
| 5               | QPSK  | 12 | 13 | 22.79  | 22.93 | 22.76  | 24.00         |
| 5               | QPSK  | 25 | 0  | 22.92  | 22.90 | 22.86  | 24.00         |
| 5               | 16QAM | 1  | 0  | 22.69  | 22.83 | 22.78  | 24.00         |
| 5               | 16QAM | 1  | 12 | 22.66  | 22.73 | 22.68  | 24.00         |
| 5               | 16QAM | 1  | 24 | 22.75  | 22.86 | 22.60  | 24.00         |
| 5               | 16QAM | 12 | 0  | 21.64  | 21.76 | 21.53  | 23.00         |
| 5               | 16QAM | 12 | 7  | 21.68  | 21.84 | 21.77  | 23.00         |
| 5               | 16QAM | 12 | 13 | 21.57  | 21.71 | 21.60  | 23.00         |
| 5               | 16QAM | 25 | 0  | 21.74  | 21.68 | 21.70  | 23.00         |
| 5               | 64QAM | 1  | 0  | 21.41  | 21.55 | 21.45  | 23.00         |
| 5               | 64QAM | 1  | 12 | 21.55  | 21.67 | 21.68  | 23.00         |
| 5               | 64QAM | 1  | 24 | 21.42  | 21.52 | 21.49  | 23.00         |
| 5               | 64QAM | 12 | 0  | 20.54  | 20.72 | 20.73  | 22.00         |
| 5               | 64QAM | 12 | 7  | 20.40  | 20.58 | 20.42  | 22.00         |
| 5               | 64QAM | 12 | 13 | 20.54  | 20.64 | 20.55  | 22.00         |
| 5               | 64QAM | 25 | 0  | 20.65  | 20.78 | 20.71  | 22.00         |

**【LTE Band 41\_\_FCC (2496~2690MHz)\_Ant 1】**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|--------------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 39750                 | 40185                    | 40620                    | 41055                    | 41490                  | 25.00               |
| Frequency (MHz) |            |         |           | 2506                  | 2549.5                   | 2593                     | 2636.5                   | 2680                   |                     |
| 20              | QPSK       | 1       | 0         | 24.01                 | 24.01                    | 24.07                    | 24.03                    | 23.97                  | 25.00               |
| 20              | QPSK       | 1       | 49        | 23.64                 | 23.77                    | 23.85                    | 23.75                    | 23.64                  | 25.00               |
| 20              | QPSK       | 1       | 99        | 23.84                 | 23.72                    | 23.91                    | 23.73                    | 23.80                  | 25.00               |
| 20              | QPSK       | 50      | 0         | 22.79                 | 22.94                    | 22.97                    | 22.93                    | 22.82                  | 24.00               |
| 20              | QPSK       | 50      | 24        | 22.65                 | 22.66                    | 22.84                    | 22.77                    | 22.60                  | 24.00               |
| 20              | QPSK       | 50      | 50        | 22.69                 | 22.66                    | 22.86                    | 22.76                    | 22.65                  | 24.00               |
| 20              | QPSK       | 100     | 0         | 22.72                 | 22.75                    | 22.91                    | 22.80                    | 22.80                  | 24.00               |
| 20              | 16QAM      | 1       | 0         | 22.68                 | 22.69                    | 22.89                    | 22.77                    | 22.74                  | 24.00               |
| 20              | 16QAM      | 1       | 49        | 22.64                 | 22.66                    | 22.81                    | 22.68                    | 22.68                  | 24.00               |
| 20              | 16QAM      | 1       | 99        | 22.71                 | 22.68                    | 22.79                    | 22.68                    | 22.66                  | 24.00               |
| 20              | 16QAM      | 50      | 0         | 21.63                 | 21.65                    | 21.76                    | 21.65                    | 21.59                  | 23.00               |
| 20              | 16QAM      | 50      | 24        | 21.54                 | 21.46                    | 21.65                    | 21.47                    | 21.44                  | 23.00               |
| 20              | 16QAM      | 50      | 50        | 21.65                 | 21.62                    | 21.82                    | 21.65                    | 21.61                  | 23.00               |
| 20              | 16QAM      | 100     | 0         | 21.54                 | 21.59                    | 21.71                    | 21.66                    | 21.56                  | 23.00               |
| 20              | 64QAM      | 1       | 0         | 21.46                 | 21.47                    | 21.63                    | 21.50                    | 21.41                  | 23.00               |
| 20              | 64QAM      | 1       | 49        | 21.57                 | 21.54                    | 21.74                    | 21.65                    | 21.62                  | 23.00               |
| 20              | 64QAM      | 1       | 99        | 21.61                 | 21.62                    | 21.69                    | 21.55                    | 21.48                  | 23.00               |
| 20              | 64QAM      | 50      | 0         | 20.56                 | 20.69                    | 20.76                    | 20.71                    | 20.62                  | 22.00               |
| 20              | 64QAM      | 50      | 24        | 20.54                 | 20.51                    | 20.62                    | 20.51                    | 20.49                  | 22.00               |
| 20              | 64QAM      | 50      | 50        | 20.61                 | 20.55                    | 20.71                    | 20.65                    | 20.60                  | 22.00               |
| 20              | 64QAM      | 100     | 0         | 20.52                 | 20.55                    | 20.66                    | 20.54                    | 20.52                  | 22.00               |
| Channel         |            |         |           | 39725                 | 40173                    | 40620                    | 41068                    | 41515                  | 25.00               |
| Frequency (MHz) |            |         |           | 2503.5                | 2548.3                   | 2593                     | 2637.8                   | 2682.5                 |                     |
| 15              | QPSK       | 1       | 0         | 23.97                 | 23.98                    | 23.93                    | 23.90                    | 23.84                  | 25.00               |
| 15              | QPSK       | 1       | 37        | 23.50                 | 23.71                    | 23.84                    | 23.67                    | 23.50                  | 25.00               |
| 15              | QPSK       | 1       | 74        | 23.75                 | 23.64                    | 23.90                    | 23.58                    | 23.78                  | 25.00               |
| 15              | QPSK       | 36      | 0         | 22.69                 | 22.90                    | 22.84                    | 22.85                    | 22.71                  | 24.00               |
| 15              | QPSK       | 36      | 20        | 22.64                 | 22.57                    | 22.77                    | 22.64                    | 22.49                  | 24.00               |
| 15              | QPSK       | 36      | 39        | 22.65                 | 22.55                    | 22.84                    | 22.62                    | 22.52                  | 24.00               |
| 15              | QPSK       | 75      | 0         | 22.64                 | 22.65                    | 22.88                    | 22.75                    | 22.67                  | 24.00               |
| 15              | 16QAM      | 1       | 0         | 22.57                 | 22.65                    | 22.85                    | 22.70                    | 22.65                  | 24.00               |
| 15              | 16QAM      | 1       | 37        | 22.53                 | 22.59                    | 22.69                    | 22.60                    | 22.55                  | 24.00               |
| 15              | 16QAM      | 1       | 74        | 22.61                 | 22.57                    | 22.74                    | 22.63                    | 22.62                  | 24.00               |
| 15              | 16QAM      | 36      | 0         | 21.60                 | 21.57                    | 21.70                    | 21.62                    | 21.47                  | 23.00               |
| 15              | 16QAM      | 36      | 20        | 21.41                 | 21.43                    | 21.56                    | 21.41                    | 21.40                  | 23.00               |
| 15              | 16QAM      | 36      | 39        | 21.57                 | 21.61                    | 21.79                    | 21.58                    | 21.58                  | 23.00               |
| 15              | 16QAM      | 75      | 0         | 21.40                 | 21.53                    | 21.62                    | 21.62                    | 21.42                  | 23.00               |
| 15              | 64QAM      | 1       | 0         | 21.35                 | 21.35                    | 21.59                    | 21.42                    | 21.29                  | 23.00               |
| 15              | 64QAM      | 1       | 37        | 21.52                 | 21.42                    | 21.69                    | 21.59                    | 21.57                  | 23.00               |
| 15              | 64QAM      | 1       | 74        | 21.49                 | 21.60                    | 21.55                    | 21.54                    | 21.46                  | 23.00               |
| 15              | 64QAM      | 36      | 0         | 20.46                 | 20.61                    | 20.73                    | 20.62                    | 20.54                  | 22.00               |
| 15              | 64QAM      | 36      | 20        | 20.48                 | 20.48                    | 20.53                    | 20.44                    | 20.43                  | 22.00               |
| 15              | 64QAM      | 36      | 39        | 20.53                 | 20.46                    | 20.60                    | 20.61                    | 20.46                  | 22.00               |
| 15              | 64QAM      | 75      | 0         | 20.43                 | 20.54                    | 20.54                    | 20.42                    | 20.40                  | 22.00               |
| Channel         |            |         |           | 39700                 | 40160                    | 40620                    | 41080                    | 41540                  | 25.00               |
| Frequency (MHz) |            |         |           | 2501                  | 2547                     | 2593                     | 2639                     | 2685                   |                     |
| 10              | QPSK       | 1       | 0         | 23.86                 | 23.95                    | 23.93                    | 23.88                    | 23.83                  | 25.00               |
| 10              | QPSK       | 1       | 25        | 23.54                 | 23.75                    | 23.74                    | 23.66                    | 23.61                  | 25.00               |
| 10              | QPSK       | 1       | 49        | 23.69                 | 23.64                    | 23.84                    | 23.66                    | 23.65                  | 25.00               |
| 10              | QPSK       | 25      | 0         | 22.68                 | 22.91                    | 22.95                    | 22.84                    | 22.76                  | 24.00               |
| 10              | QPSK       | 25      | 12        | 22.56                 | 22.63                    | 22.74                    | 22.74                    | 22.57                  | 24.00               |
| 10              | QPSK       | 25      | 25        | 22.65                 | 22.55                    | 22.77                    | 22.63                    | 22.62                  | 24.00               |
| 10              | QPSK       | 50      | 0         | 22.66                 | 22.66                    | 22.82                    | 22.70                    | 22.77                  | 24.00               |
| 10              | 16QAM      | 1       | 0         | 22.61                 | 22.61                    | 22.88                    | 22.68                    | 22.68                  | 24.00               |
| 10              | 16QAM      | 1       | 25        | 22.58                 | 22.65                    | 22.80                    | 22.61                    | 22.64                  | 24.00               |
| 10              | 16QAM      | 1       | 49        | 22.57                 | 22.60                    | 22.78                    | 22.55                    | 22.56                  | 24.00               |
| 10              | 16QAM      | 25      | 0         | 21.57                 | 21.53                    | 21.63                    | 21.56                    | 21.47                  | 23.00               |
| 10              | 16QAM      | 25      | 12        | 21.39                 | 21.43                    | 21.61                    | 21.34                    | 21.32                  | 23.00               |
| 10              | 16QAM      | 25      | 25        | 21.51                 | 21.55                    | 21.74                    | 21.58                    | 21.56                  | 23.00               |
| 10              | 16QAM      | 50      | 0         | 21.53                 | 21.57                    | 21.61                    | 21.63                    | 21.52                  | 23.00               |
| 10              | 64QAM      | 1       | 0         | 21.40                 | 21.33                    | 21.53                    | 21.39                    | 21.27                  | 23.00               |
| 10              | 64QAM      | 1       | 25        | 21.46                 | 21.52                    | 21.64                    | 21.55                    | 21.52                  | 23.00               |
| 10              | 64QAM      | 1       | 49        | 21.58                 | 21.60                    | 21.65                    | 21.41                    | 21.41                  | 23.00               |
| 10              | 64QAM      | 25      | 0         | 20.48                 | 20.63                    | 20.67                    | 20.69                    | 20.61                  | 22.00               |
| 10              | 64QAM      | 25      | 12        | 20.43                 | 20.43                    | 20.55                    | 20.38                    | 20.35                  | 22.00               |
| 10              | 64QAM      | 25      | 25        | 20.57                 | 20.47                    | 20.58                    | 20.53                    | 20.50                  | 22.00               |
| 10              | 64QAM      | 50      | 0         | 20.48                 | 20.54                    | 20.57                    | 20.40                    | 20.41                  | 22.00               |
| Channel         |            |         |           | 39675                 | 40148                    | 40620                    | 41093                    | 41565                  | 25.00               |
| Frequency (MHz) |            |         |           | 2498.5                | 2545.8                   | 2593                     | 2640.3                   | 2687.5                 |                     |



|   |       |    |    |       |       |       |       |       | (dBm) |
|---|-------|----|----|-------|-------|-------|-------|-------|-------|
| 5 | QPSK  | 1  | 0  | 23.94 | 23.98 | 23.96 | 24.01 | 23.92 | 25.00 |
| 5 | QPSK  | 1  | 12 | 23.62 | 23.70 | 23.83 | 23.72 | 23.57 | 25.00 |
| 5 | QPSK  | 1  | 24 | 23.76 | 23.60 | 23.84 | 23.66 | 23.66 | 25.00 |
| 5 | QPSK  | 12 | 0  | 22.66 | 22.86 | 22.92 | 22.90 | 22.79 | 24.00 |
| 5 | QPSK  | 12 | 7  | 22.57 | 22.61 | 22.72 | 22.63 | 22.47 | 24.00 |
| 5 | QPSK  | 12 | 13 | 22.64 | 22.56 | 22.76 | 22.61 | 22.56 | 24.00 |
| 5 | QPSK  | 25 | 0  | 22.70 | 22.68 | 22.82 | 22.78 | 22.67 | 24.00 |
| 5 | 16QAM | 1  | 0  | 22.63 | 22.63 | 22.82 | 22.66 | 22.72 | 24.00 |
| 5 | 16QAM | 1  | 12 | 22.52 | 22.56 | 22.74 | 22.59 | 22.58 | 24.00 |
| 5 | 16QAM | 1  | 24 | 22.64 | 22.59 | 22.73 | 22.63 | 22.55 | 24.00 |
| 5 | 16QAM | 12 | 0  | 21.56 | 21.50 | 21.67 | 21.53 | 21.57 | 23.00 |
| 5 | 16QAM | 12 | 7  | 21.51 | 21.37 | 21.51 | 21.45 | 21.43 | 23.00 |
| 5 | 16QAM | 12 | 13 | 21.60 | 21.54 | 21.79 | 21.61 | 21.59 | 23.00 |
| 5 | 16QAM | 25 | 0  | 21.42 | 21.56 | 21.69 | 21.62 | 21.53 | 23.00 |
| 5 | 64QAM | 1  | 0  | 21.41 | 21.43 | 21.57 | 21.40 | 21.37 | 23.00 |
| 5 | 64QAM | 1  | 12 | 21.53 | 21.53 | 21.61 | 21.61 | 21.51 | 23.00 |
| 5 | 64QAM | 1  | 24 | 21.48 | 21.52 | 21.58 | 21.47 | 21.37 | 23.00 |
| 5 | 64QAM | 12 | 0  | 20.50 | 20.64 | 20.73 | 20.58 | 20.52 | 22.00 |
| 5 | 64QAM | 12 | 7  | 20.42 | 20.40 | 20.51 | 20.38 | 20.48 | 22.00 |
| 5 | 64QAM | 12 | 13 | 20.58 | 20.43 | 20.59 | 20.58 | 20.58 | 22.00 |
| 5 | 64QAM | 25 | 0  | 20.50 | 20.47 | 20.54 | 20.45 | 20.49 | 22.00 |

## 【LTE Band 42 (27Q)\_FCC\_Part 27Q (3450~3550MHz)\_Ant 3】

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 42190                    | 42590                       | 42990                     |                        |
| Frequency (MHz) |            |         |           | 3460                     | 3500                        | 3540                      |                        |
| 20              | QPSK       | 1       | 0         | 20.11                    | 20.15                       | 20.06                     | 21.00                  |
| 20              | QPSK       | 1       | 49        | 20.03                    | 20.09                       | 19.96                     | 21.00                  |
| 20              | QPSK       | 1       | 99        | 19.94                    | 20.03                       | 19.89                     | 21.00                  |
| 20              | QPSK       | 50      | 0         | 20.00                    | 20.13                       | 19.97                     | 21.00                  |
| 20              | QPSK       | 50      | 24        | 20.00                    | 20.11                       | 19.98                     | 21.00                  |
| 20              | QPSK       | 50      | 50        | 19.80                    | 19.95                       | 19.72                     | 21.00                  |
| 20              | QPSK       | 100     | 0         | 19.93                    | 20.11                       | 19.92                     | 21.00                  |
| 20              | 16QAM      | 1       | 0         | 19.95                    | 20.02                       | 19.78                     | 21.00                  |
| 20              | 16QAM      | 1       | 49        | 19.88                    | 19.99                       | 19.83                     | 21.00                  |
| 20              | 16QAM      | 1       | 99        | 19.81                    | 19.92                       | 19.69                     | 21.00                  |
| 20              | 16QAM      | 50      | 0         | 19.87                    | 20.00                       | 19.77                     | 21.00                  |
| 20              | 16QAM      | 50      | 24        | 19.84                    | 20.00                       | 19.82                     | 21.00                  |
| 20              | 16QAM      | 50      | 50        | 20.07                    | 20.13                       | 20.03                     | 21.00                  |
| 20              | 16QAM      | 100     | 0         | 19.96                    | 20.10                       | 19.92                     | 21.00                  |
| 20              | 64QAM      | 1       | 0         | 19.78                    | 19.91                       | 19.77                     | 21.00                  |
| 20              | 64QAM      | 1       | 49        | 20.05                    | 20.10                       | 19.88                     | 21.00                  |
| 20              | 64QAM      | 1       | 99        | 19.76                    | 19.91                       | 19.67                     | 21.00                  |
| 20              | 64QAM      | 50      | 0         | 19.83                    | 19.93                       | 19.73                     | 21.00                  |
| 20              | 64QAM      | 50      | 24        | 19.82                    | 19.93                       | 19.79                     | 21.00                  |
| 20              | 64QAM      | 50      | 50        | 19.76                    | 19.95                       | 19.82                     | 21.00                  |
| 20              | 64QAM      | 100     | 0         | 19.97                    | 20.13                       | 19.92                     | 21.00                  |
| Channel         |            |         |           | 42165                    | 42590                       | 43015                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3457.5                   | 3500                        | 3542.5                    |                        |
| 15              | QPSK       | 1       | 0         | 20.08                    | 20.06                       | 19.96                     | 21.00                  |
| 15              | QPSK       | 1       | 37        | 19.90                    | 20.00                       | 19.87                     | 21.00                  |
| 15              | QPSK       | 1       | 74        | 19.81                    | 19.92                       | 19.80                     | 21.00                  |
| 15              | QPSK       | 36      | 0         | 19.95                    | 19.99                       | 19.88                     | 21.00                  |
| 15              | QPSK       | 36      | 20        | 19.98                    | 20.04                       | 19.90                     | 21.00                  |
| 15              | QPSK       | 36      | 39        | 19.79                    | 19.83                       | 19.57                     | 21.00                  |
| 15              | QPSK       | 75      | 0         | 19.86                    | 20.09                       | 19.83                     | 21.00                  |
| 15              | 16QAM      | 1       | 0         | 19.87                    | 20.00                       | 19.76                     | 21.00                  |
| 15              | 16QAM      | 1       | 37        | 19.83                    | 19.86                       | 19.73                     | 21.00                  |
| 15              | 16QAM      | 1       | 74        | 19.70                    | 19.88                       | 19.56                     | 21.00                  |
| 15              | 16QAM      | 36      | 0         | 19.78                    | 19.97                       | 19.70                     | 21.00                  |
| 15              | 16QAM      | 36      | 20        | 19.79                    | 19.93                       | 19.68                     | 21.00                  |
| 15              | 16QAM      | 36      | 39        | 20.03                    | 20.03                       | 19.99                     | 21.00                  |
| 15              | 16QAM      | 75      | 0         | 19.87                    | 20.08                       | 19.87                     | 21.00                  |
| 15              | 64QAM      | 1       | 0         | 19.73                    | 19.84                       | 19.64                     | 21.00                  |
| 15              | 64QAM      | 1       | 37        | 20.02                    | 20.04                       | 19.80                     | 21.00                  |
| 15              | 64QAM      | 1       | 74        | 19.68                    | 19.90                       | 19.57                     | 21.00                  |
| 15              | 64QAM      | 36      | 0         | 19.70                    | 19.91                       | 19.63                     | 21.00                  |
| 15              | 64QAM      | 36      | 20        | 19.81                    | 19.85                       | 19.65                     | 21.00                  |
| 15              | 64QAM      | 36      | 39        | 19.73                    | 19.82                       | 19.78                     | 21.00                  |



|                 |       |    |    |        |       |        |               |
|-----------------|-------|----|----|--------|-------|--------|---------------|
| 15              | 64QAM | 75 | 0  | 19.94  | 20.06 | 19.90  | 21.00         |
| Channel         |       |    |    | 42140  | 42590 | 43040  | Tune-up limit |
| Frequency (MHz) |       |    |    | 3455   | 3500  | 3545   | (dBm)         |
| 10              | QPSK  | 1  | 0  | 20.03  | 20.09 | 19.93  | 21.00         |
| 10              | QPSK  | 1  | 25 | 19.97  | 19.98 | 19.87  | 21.00         |
| 10              | QPSK  | 1  | 49 | 19.89  | 19.89 | 19.82  | 21.00         |
| 10              | QPSK  | 25 | 0  | 19.90  | 19.99 | 19.88  | 21.00         |
| 10              | QPSK  | 25 | 12 | 19.93  | 20.08 | 19.96  | 21.00         |
| 10              | QPSK  | 25 | 25 | 19.67  | 19.89 | 19.71  | 21.00         |
| 10              | QPSK  | 50 | 0  | 19.85  | 19.97 | 19.83  | 21.00         |
| 10              | 16QAM | 1  | 0  | 19.85  | 19.88 | 19.75  | 21.00         |
| 10              | 16QAM | 1  | 25 | 19.81  | 19.88 | 19.76  | 21.00         |
| 10              | 16QAM | 1  | 49 | 19.68  | 19.91 | 19.54  | 21.00         |
| 10              | 16QAM | 25 | 0  | 19.84  | 19.93 | 19.67  | 21.00         |
| 10              | 16QAM | 25 | 12 | 19.83  | 19.95 | 19.74  | 21.00         |
| 10              | 16QAM | 25 | 25 | 20.05  | 19.98 | 19.99  | 21.00         |
| 10              | 16QAM | 50 | 0  | 19.81  | 20.09 | 19.77  | 21.00         |
| 10              | 64QAM | 1  | 0  | 19.67  | 19.78 | 19.64  | 21.00         |
| 10              | 64QAM | 1  | 25 | 19.92  | 19.96 | 19.83  | 21.00         |
| 10              | 64QAM | 1  | 49 | 19.68  | 19.84 | 19.62  | 21.00         |
| 10              | 64QAM | 25 | 0  | 19.78  | 19.88 | 19.66  | 21.00         |
| 10              | 64QAM | 25 | 12 | 19.71  | 19.89 | 19.77  | 21.00         |
| 10              | 64QAM | 25 | 25 | 19.61  | 19.89 | 19.77  | 21.00         |
| 10              | 64QAM | 50 | 0  | 19.93  | 20.10 | 19.79  | 21.00         |
| Channel         |       |    |    | 42115  | 42590 | 43065  | Tune-up limit |
| Frequency (MHz) |       |    |    | 3452.5 | 3500  | 3547.5 | (dBm)         |
| 5               | QPSK  | 1  | 0  | 19.98  | 20.06 | 19.97  | 21.00         |
| 5               | QPSK  | 1  | 12 | 19.99  | 20.02 | 19.91  | 21.00         |
| 5               | QPSK  | 1  | 24 | 19.92  | 19.97 | 19.76  | 21.00         |
| 5               | QPSK  | 12 | 0  | 19.88  | 20.01 | 19.94  | 21.00         |
| 5               | QPSK  | 12 | 7  | 19.87  | 19.96 | 19.90  | 21.00         |
| 5               | QPSK  | 12 | 13 | 19.76  | 19.87 | 19.64  | 21.00         |
| 5               | QPSK  | 25 | 0  | 19.85  | 19.98 | 19.90  | 21.00         |
| 5               | 16QAM | 1  | 0  | 19.86  | 20.01 | 19.69  | 21.00         |
| 5               | 16QAM | 1  | 12 | 19.80  | 19.91 | 19.79  | 21.00         |
| 5               | 16QAM | 1  | 24 | 19.67  | 19.82 | 19.63  | 21.00         |
| 5               | 16QAM | 12 | 0  | 19.75  | 19.98 | 19.67  | 21.00         |
| 5               | 16QAM | 12 | 7  | 19.69  | 19.91 | 19.77  | 21.00         |
| 5               | 16QAM | 12 | 13 | 19.95  | 19.99 | 20.02  | 21.00         |
| 5               | 16QAM | 25 | 0  | 19.82  | 19.97 | 19.88  | 21.00         |
| 5               | 64QAM | 1  | 0  | 19.64  | 19.78 | 19.65  | 21.00         |
| 5               | 64QAM | 1  | 12 | 19.94  | 19.98 | 19.83  | 21.00         |
| 5               | 64QAM | 1  | 24 | 19.62  | 19.76 | 19.55  | 21.00         |
| 5               | 64QAM | 12 | 0  | 19.74  | 19.83 | 19.68  | 21.00         |
| 5               | 64QAM | 12 | 7  | 19.80  | 19.79 | 19.64  | 21.00         |
| 5               | 64QAM | 12 | 13 | 19.62  | 19.82 | 19.78  | 21.00         |
| 5               | 64QAM | 25 | 0  | 19.95  | 20.09 | 19.79  | 21.00         |

**<Bluetooth Conducted Power>**

【Bluetooth】

| Mode           | Channel | Frequency (MHz) | Ant 6               |               |              |
|----------------|---------|-----------------|---------------------|---------------|--------------|
|                |         |                 | Average Power (dBm) | Tune-Up Limit | Duty Cycle % |
| BR / EDR 1Mbps | 0       | 2402            | 9.90                | 11.50         | 76.80        |
|                | 39      | 2441            | 10.20               | 11.50         |              |
|                | 78      | 2480            | 10.20               | 11.50         |              |
| BR / EDR 2Mbps | 0       | 2402            | 8.00                | 9.50          | 76.80        |
|                | 39      | 2441            | 7.80                | 9.50          |              |
|                | 78      | 2480            | 7.80                | 9.50          |              |
| BR / EDR 3Mbps | 0       | 2402            | 8.00                | 9.50          | 76.80        |
|                | 39      | 2441            | 7.80                | 9.50          |              |
|                | 78      | 2480            | 7.80                | 9.50          |              |
| LE 1Mbps       | 0       | 2402            | 3.50                | 5.00          | 60.70        |
|                | 19      | 2440            | 4.10                | 5.50          |              |
|                | 39      | 2480            | 4.10                | 5.50          |              |
| LE 2Mbps       | 1       | 2404            | 3.60                | 5.00          | 31.41        |
|                | 19      | 2440            | 4.00                | 5.50          |              |
|                | 38      | 2478            | 3.80                | 5.50          |              |

**<WLAN Conducted Power>**

【2.4GHz WLAN】

| Mode              | Channel | Frequency (MHz) | Ant 6               |               |              |
|-------------------|---------|-----------------|---------------------|---------------|--------------|
|                   |         |                 | Average Power (dBm) | Tune-Up Limit | Duty Cycle % |
| 802.11b 1Mbps     | 1       | 2412            | 15.30               | 17.00         | 99.31        |
|                   | 6       | 2437            | 15.40               | 17.00         |              |
|                   | 11      | 2462            | 15.40               | 17.00         |              |
| 802.11g 6Mbps     | 1       | 2412            | 15.10               | 16.50         | 97.90        |
|                   | 6       | 2437            | 15.50               | 17.00         |              |
|                   | 11      | 2462            | 15.40               | 17.00         |              |
| 802.11n-HT20 MCS0 | 1       | 2412            | 13.80               | 15.00         | 89.85        |
|                   | 6       | 2437            | 15.30               | 16.50         |              |
|                   | 11      | 2462            | 14.10               | 15.50         |              |
| 802.11n-HT40 MCS0 | 3       | 2422            | 12.10               | 13.50         | 90.53        |
|                   | 6       | 2437            | 15.30               | 16.50         |              |
|                   | 9       | 2452            | 12.90               | 14.00         |              |

**【5.2GHz WLAN】**

| Mode                | Channel | Frequency (MHz) | Ant 6               |               |              |
|---------------------|---------|-----------------|---------------------|---------------|--------------|
|                     |         |                 | Average Power (dBm) | Tune-Up Limit | Duty Cycle % |
| 802.11a 6Mbps       | 36      | 5180            | 13.12               | 14.50         | 97.90        |
|                     | 40      | 5200            | 13.08               | 14.50         |              |
|                     | 44      | 5220            | 13.24               | 14.50         |              |
|                     | 48      | 5240            | 13.30               | 14.50         |              |
| 802.11n-HT20 MCS0   | 36      | 5180            | 13.05               | 14.50         | 97.74        |
|                     | 40      | 5200            | 13.10               | 14.50         |              |
|                     | 44      | 5220            | 13.16               | 14.50         |              |
|                     | 48      | 5240            | 13.21               | 14.50         |              |
| 802.11n-HT40 MCS0   | 38      | 5190            | 10.96               | 12.00         | 95.59        |
|                     | 46      | 5230            | 13.21               | 14.50         |              |
| 802.11ac-VHT20 MCS0 | 36      | 5180            | 13.02               | 14.50         | 97.78        |
|                     | 40      | 5200            | 13.04               | 14.00         |              |
|                     | 44      | 5220            | 13.14               | 14.50         |              |
|                     | 48      | 5240            | 13.19               | 14.50         |              |
| 802.11ac-VHT40 MCS0 | 38      | 5190            | 10.89               | 12.00         | 95.65        |
|                     | 46      | 5230            | 13.15               | 14.50         |              |
| 802.11ac-VHT80 MCS0 | 42      | 5210            | 11.34               | 12.50         | 91.67        |

**【5.3GHz WLAN】**

| Mode                | Channel | Frequency (MHz) | Ant 6               |               |              |
|---------------------|---------|-----------------|---------------------|---------------|--------------|
|                     |         |                 | Average Power (dBm) | Tune-Up Limit | Duty Cycle % |
| 802.11a 6Mbps       | 52      | 5260            | 13.29               | 14.50         | 97.90        |
|                     | 56      | 5280            | 13.26               | 14.50         |              |
|                     | 60      | 5300            | 13.36               | 14.50         |              |
|                     | 64      | 5320            | 13.32               | 14.50         |              |
| 802.11n-HT20 MCS0   | 52      | 5260            | 13.34               | 14.50         | 97.74        |
|                     | 56      | 5280            | 13.30               | 14.50         |              |
|                     | 60      | 5300            | 13.45               | 14.50         |              |
|                     | 64      | 5320            | 13.33               | 14.50         |              |
| 802.11n-HT40 MCS0   | 54      | 5270            | 13.31               | 14.50         | 95.59        |
|                     | 62      | 5310            | 11.80               | 13.00         |              |
| 802.11ac-VHT20 MCS0 | 52      | 5260            | 13.31               | 14.50         | 97.78        |
|                     | 56      | 5280            | 13.17               | 14.00         |              |
|                     | 60      | 5300            | 13.41               | 14.50         |              |
|                     | 64      | 5320            | 13.30               | 14.50         |              |
| 802.11ac-VHT40 MCS0 | 54      | 5270            | 13.19               | 14.50         | 95.65        |
|                     | 62      | 5310            | 11.74               | 13.00         |              |
| 802.11ac-VHT80 MCS0 | 58      | 5290            | 11.11               | 12.00         | 91.67        |

**【5.5GHz WLAN】**

| Mode                | Channel | Frequency (MHz) | Ant 6               |               |              |
|---------------------|---------|-----------------|---------------------|---------------|--------------|
|                     |         |                 | Average Power (dBm) | Tune-Up Limit | Duty Cycle % |
| 802.11a 6Mbps       | 100     | 5500            | 13.31               | 14.50         | 97.90        |
|                     | 116     | 5580            | 13.26               | 14.50         |              |
|                     | 124     | 5620            | 13.22               | 14.50         |              |
|                     | 132     | 5660            | 13.18               | 14.50         |              |
|                     | 140     | 5700            | 12.84               | 14.00         |              |
| 802.11n-HT20 MCS0   | 100     | 5500            | 13.45               | 14.50         | 97.74        |
|                     | 116     | 5580            | 13.07               | 14.50         |              |
|                     | 124     | 5620            | 13.31               | 14.50         |              |
|                     | 132     | 5660            | 13.24               | 14.50         |              |
|                     | 140     | 5700            | 12.99               | 14.00         |              |
| 802.11n-HT40 MCS0   | 102     | 5510            | 11.48               | 12.50         | 95.59        |
|                     | 110     | 5550            | 13.42               | 14.50         |              |
|                     | 126     | 5630            | 13.13               | 14.50         |              |
|                     | 134     | 5670            | 13.44               | 14.50         |              |
| 802.11ac-VHT20 MCS0 | 100     | 5500            | 13.42               | 14.50         | 97.78        |
|                     | 116     | 5580            | 13.04               | 14.50         |              |
|                     | 124     | 5620            | 13.26               | 13.50         |              |
|                     | 132     | 5660            | 13.21               | 14.00         |              |
|                     | 140     | 5700            | 12.93               | 14.00         |              |
| 802.11ac-VHT40 MCS0 | 102     | 5510            | 11.43               | 12.50         | 95.65        |
|                     | 110     | 5550            | 13.37               | 14.50         |              |
|                     | 126     | 5630            | 13.08               | 13.50         |              |
|                     | 134     | 5670            | 13.39               | 14.50         |              |
| 802.11ac-VHT80 MCS0 | 106     | 5530            | 11.76               | 13.00         | 91.67        |
|                     | 122     | 5610            | 13.01               | 14.00         |              |
|                     | 138     | 5690            | 13.18               | 14.00         |              |