

## 8 CONDUCTED RF OUPUT POWER

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## 8.2 GSM Output Power

| GSM-Full Power-Ant.0  |                          |       |       |                       |                      |       |       |                        |
|-----------------------|--------------------------|-------|-------|-----------------------|----------------------|-------|-------|------------------------|
| GSM850 Band           | Burst Average Power(dBm) |       |       | Tune-up<br>Power(dBm) | Frame-Averaged power |       |       | Tune-up<br>Power(dBm ) |
| Channel               | 128                      | 190   | 251   |                       | 128                  | 190   | 251   |                        |
| GPRS (GMSK, 1-Slot)   | 32.63                    | 32.71 | 32.52 | 33.50                 | 23.44                | 23.52 | 23.33 | 24.31                  |
| GPRS (GMSK, 2-Slots)  | 32.48                    | 32.54 | 32.33 | 33.00                 | 26.35                | 26.41 | 26.20 | 26.87                  |
| GPRS (GMSK, 3-Slots)  | 32.35                    | 32.39 | 32.16 | 33.00                 | 27.93                | 27.97 | 27.74 | 28.58                  |
| GPRS (GMSK, 4-Slots)  | 32.23                    | 32.30 | 32.05 | 32.50                 | 29.05                | 29.12 | 28.87 | <b>29.32</b>           |
| EGPRS (8PSK, 1-Slot)  | 26.61                    | 26.82 | 26.34 | 27.50                 | 17.42                | 17.63 | 17.15 | 18.31                  |
| EGPRS (8PSK, 2-Slots) | 26.92                    | 26.60 | 26.07 | 27.50                 | 20.79                | 20.47 | 19.94 | 21.37                  |
| EGPRS (8PSK, 3-Slots) | 26.95                    | 26.37 | 26.04 | 27.00                 | 22.53                | 21.95 | 21.62 | 22.58                  |
| EGPRS (8PSK, 4-Slots) | 26.81                    | 26.20 | 25.94 | 27.00                 | 23.63                | 23.02 | 22.76 | 23.82                  |
| GSM-Full Power-Ant.2  |                          |       |       |                       |                      |       |       |                        |
| GSM1900 Band          | Burst Average Power(dBm) |       |       | Tune-up<br>Power(dBm) | Frame-Averaged       |       |       | Tune-up<br>Power(dBm ) |
| Channel               | 512                      | 661   | 810   |                       | 512                  | 661   | 810   |                        |
| GPRS (GMSK, 1-Slot)   | 30.11                    | 29.97 | 30.13 | 30.50                 | 20.92                | 20.78 | 20.94 | 21.31                  |
| GPRS (GMSK, 2-Slots)  | 29.43                    | 29.72 | 29.78 | 30.50                 | 23.30                | 23.59 | 23.65 | 24.37                  |
| GPRS (GMSK, 3-Slots)  | 29.22                    | 29.46 | 29.44 | 30.00                 | 24.80                | 25.04 | 25.02 | 25.58                  |
| GPRS (GMSK, 4-Slots)  | 29.03                    | 29.18 | 29.14 | 29.50                 | 25.85                | 26.00 | 25.96 | <b>26.32</b>           |
| EGPRS (8PSK, 1-Slot)  | 26.04                    | 26.05 | 26.07 | 27.50                 | 16.85                | 16.86 | 16.88 | 18.31                  |
| EGPRS (8PSK, 2-Slots) | 27.43                    | 27.17 | 25.76 | 27.50                 | 21.30                | 21.04 | 19.63 | 21.37                  |
| EGPRS (8PSK, 3-Slots) | 27.29                    | 27.04 | 25.81 | 27.50                 | 22.87                | 22.62 | 21.39 | 23.08                  |
| EGPRS (8PSK, 4-Slots) | 27.25                    | 27.05 | 25.57 | 27.50                 | 24.07                | 23.87 | 22.39 | 24.32                  |

### 8.3 WCDMA Output Power

| WCDMA-Full Power-Ant.2 |         |         |         |                             |
|------------------------|---------|---------|---------|-----------------------------|
| Band                   | Band 2  |         |         | Tune-up Limit<br>Power(dBm) |
| Channel                | 9262    | 9400    | 9538    |                             |
| Frequency              | 1852.40 | 1880.00 | 1907.60 |                             |
| RMC 12.2Kbps           | 23.64   | 23.72   | 23.70   | 24.50                       |
| HSDPA Subtest-1        | 22.70   | 22.72   | 22.61   | 23.50                       |
| HSDPA Subtest-2        | 22.61   | 22.72   | 22.53   | 23.50                       |
| HSDPA Subtest-3        | 22.01   | 22.03   | 22.00   | 23.00                       |
| HSDPA Subtest-4        | 22.35   | 22.20   | 22.14   | 23.00                       |
| DC-HSDPA Subtest-1     | 22.90   | 22.53   | 22.68   | 23.50                       |
| DC-HSDPA Subtest-2     | 22.78   | 22.87   | 22.54   | 23.50                       |
| DC-HSDPA Subtest-3     | 22.20   | 22.11   | 21.81   | 23.00                       |
| DC-HSDPA Subtest-4     | 22.48   | 22.10   | 22.32   | 23.00                       |
| HSUPA Subtest-1        | 22.66   | 22.72   | 22.61   | 23.50                       |
| HSUPA Subtest-2        | 20.70   | 20.70   | 20.77   | 21.50                       |
| HSUPA Subtest-3        | 21.82   | 21.75   | 21.60   | 22.00                       |
| HSUPA Subtest-4        | 20.69   | 20.73   | 20.60   | 21.50                       |
| HSUPA Subtest-5        | 22.48   | 22.67   | 22.69   | 23.50                       |
| HSPA+                  | 20.84   | 20.50   | 20.69   | 21.50                       |
| Band                   | Band 4  |         |         | Tune-up Limit<br>Power(dBm) |
| Channel                | 1312    | 1412    | 1513    |                             |
| Frequency              | 1712.40 | 1732.40 | 1752.60 |                             |
| RMC 12.2Kbps           | 23.71   | 23.72   | 23.69   | 24.50                       |
| HSDPA Subtest-1        | 22.89   | 22.70   | 22.63   | 23.50                       |
| HSDPA Subtest-2        | 22.83   | 22.71   | 22.85   | 23.50                       |
| HSDPA Subtest-3        | 22.05   | 22.21   | 22.27   | 23.00                       |
| HSDPA Subtest-4        | 22.10   | 22.21   | 22.30   | 23.00                       |
| DC-HSDPA Subtest-1     | 22.80   | 22.81   | 22.76   | 23.50                       |
| DC-HSDPA Subtest-2     | 22.97   | 22.88   | 22.85   | 23.50                       |
| DC-HSDPA Subtest-3     | 22.13   | 22.22   | 22.45   | 23.00                       |
| DC-HSDPA Subtest-4     | 22.29   | 22.32   | 22.32   | 23.00                       |
| HSUPA Subtest-1        | 22.91   | 22.71   | 22.76   | 23.50                       |
| HSUPA Subtest-2        | 20.54   | 20.73   | 20.87   | 21.50                       |
| HSUPA Subtest-3        | 21.89   | 21.71   | 21.67   | 22.00                       |
| HSUPA Subtest-4        | 20.57   | 20.61   | 20.46   | 21.50                       |
| HSUPA Subtest-5        | 22.86   | 22.72   | 22.74   | 23.50                       |
| HSPA+                  | 20.70   | 20.71   | 20.69   | 21.50                       |
| WCDMA-Full Power-Ant.0 |         |         |         |                             |
| Band                   | Band 5  |         |         | Tune-up Limit<br>Power(dBm) |
| Channel                | 4132    | 4182    | 4233    |                             |
| Frequency              | 826.40  | 836.40  | 846.60  |                             |
| RMC 12.2Kbps           | 23.34   | 23.35   | 23.26   | 24.50                       |
| HSDPA Subtest-1        | 22.55   | 22.35   | 22.33   | 23.50                       |
| HSDPA Subtest-2        | 22.30   | 22.34   | 22.24   | 23.50                       |
| HSDPA Subtest-3        | 21.74   | 21.84   | 21.91   | 23.00                       |
| HSDPA Subtest-4        | 21.68   | 21.82   | 21.91   | 23.00                       |
| DC-HSDPA Subtest-1     | 22.55   | 22.25   | 22.24   | 23.50                       |
| DC-HSDPA Subtest-2     | 22.45   | 22.40   | 22.07   | 23.50                       |
| DC-HSDPA Subtest-3     | 21.56   | 21.65   | 21.86   | 23.00                       |
| DC-HSDPA Subtest-4     | 21.68   | 21.79   | 21.86   | 23.00                       |
| HSUPA Subtest-1        | 22.50   | 22.36   | 22.40   | 23.50                       |
| HSUPA Subtest-2        | 20.37   | 20.31   | 20.21   | 21.50                       |
| HSUPA Subtest-3        | 21.17   | 21.35   | 21.43   | 22.00                       |
| HSUPA Subtest-4        | 20.54   | 20.38   | 20.20   | 21.50                       |
| HSUPA Subtest-5        | 22.47   | 22.39   | 22.37   | 23.50                       |
| HSPA+                  | 20.46   | 20.19   | 20.10   | 21.50                       |

## 8.4.1 LTE Band2 Output Power

| LTE B2-Full Power -Ant.2 |         |           |            |       |       |       |                    |
|--------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 18607 | 18900 | 19193 | Tune-up power(dBm) |
| 1.4                      | 1       | LOW       | QPSK       | 23.54 | 23.39 | 23.68 | 24.50              |
|                          |         | MID       | QPSK       | 23.62 | 23.55 | 23.53 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.46 | 23.44 | 23.37 | 24.50              |
|                          | 3       | LOW       | QPSK       | 23.61 | 23.65 | 23.60 | 24.50              |
|                          |         | MID       | QPSK       | 23.50 | 23.53 | 23.53 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.38 | 23.49 | 23.51 | 24.50              |
|                          | 6       | LOW       | QPSK       | 22.57 | 22.62 | 22.77 | 23.50              |
| 1.4                      | 1       | LOW       | Q16        | 22.86 | 22.94 | 22.70 | 23.50              |
|                          |         | MID       | Q16        | 22.83 | 22.81 | 22.99 | 23.50              |
|                          |         | HIGH      | Q16        | 22.73 | 22.84 | 22.82 | 23.50              |
|                          | 3       | LOW       | Q16        | 22.89 | 22.43 | 22.78 | 23.50              |
|                          |         | MID       | Q16        | 22.84 | 22.74 | 22.81 | 23.50              |
|                          |         | HIGH      | Q16        | 22.69 | 22.84 | 22.78 | 23.50              |
|                          | 6       | LOW       | Q16        | 21.58 | 21.52 | 21.51 | 22.50              |
| 1.4                      | 1       | LOW       | 64QAM      | 21.86 | 22.04 | 21.77 | 22.50              |
|                          |         | MID       | 64QAM      | 21.91 | 21.94 | 21.92 | 22.50              |
|                          |         | HIGH      | 64QAM      | 21.75 | 21.79 | 21.89 | 22.50              |
|                          | 3       | LOW       | 64QAM      | 21.75 | 21.53 | 21.74 | 22.50              |
|                          |         | MID       | 64QAM      | 21.97 | 21.86 | 21.94 | 22.50              |
|                          |         | HIGH      | 64QAM      | 21.56 | 21.95 | 21.91 | 22.50              |
|                          | 6       | LOW       | 64QAM      | 20.46 | 20.64 | 20.64 | 21.50              |
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 18615 | 18900 | 19185 | Tune-up power(dBm) |
| 3                        | 1       | LOW       | QPSK       | 23.68 | 23.58 | 23.57 | 24.50              |
|                          |         | MID       | QPSK       | 23.67 | 23.53 | 23.34 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.63 | 23.54 | 23.53 | 24.50              |
|                          | 8       | LOW       | QPSK       | 22.79 | 22.68 | 22.65 | 23.50              |
|                          |         | MID       | QPSK       | 22.83 | 22.69 | 22.70 | 23.50              |
|                          |         | HIGH      | QPSK       | 22.58 | 22.63 | 22.58 | 23.50              |
|                          | 15      | LOW       | QPSK       | 22.61 | 22.66 | 22.75 | 23.50              |
| 3                        | 1       | LOW       | Q16        | 23.11 | 22.96 | 22.72 | 23.50              |
|                          |         | MID       | Q16        | 22.98 | 22.94 | 22.84 | 23.50              |
|                          |         | HIGH      | Q16        | 22.76 | 22.91 | 22.86 | 23.50              |
|                          | 8       | LOW       | Q16        | 21.62 | 21.50 | 21.62 | 22.50              |
|                          |         | MID       | Q16        | 21.65 | 21.46 | 21.44 | 22.50              |
|                          |         | HIGH      | Q16        | 21.66 | 21.57 | 21.44 | 22.50              |
|                          | 15      | LOW       | Q16        | 21.55 | 21.51 | 21.45 | 22.50              |
| 3                        | 1       | LOW       | 64QAM      | 21.73 | 21.87 | 21.82 | 22.50              |
|                          |         | MID       | 64QAM      | 21.59 | 21.52 | 21.85 | 22.50              |
|                          |         | HIGH      | 64QAM      | 21.77 | 21.77 | 21.96 | 22.50              |
|                          | 8       | LOW       | 64QAM      | 20.41 | 20.80 | 20.78 | 21.50              |
|                          |         | MID       | 64QAM      | 20.87 | 20.73 | 20.81 | 21.50              |
|                          |         | HIGH      | 64QAM      | 20.75 | 20.81 | 20.49 | 21.50              |
|                          | 15      | LOW       | 64QAM      | 20.36 | 20.48 | 20.53 | 21.50              |
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 18625 | 18900 | 19175 | Tune-up power(dBm) |
| 5                        | 1       | LOW       | QPSK       | 23.74 | 23.53 | 23.79 | 24.50              |
|                          |         | MID       | QPSK       | 23.56 | 23.37 | 23.44 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.37 | 23.50 | 23.34 | 24.50              |
|                          | 12      | LOW       | QPSK       | 22.83 | 22.73 | 22.60 | 23.50              |
|                          |         | MID       | QPSK       | 22.66 | 22.59 | 22.71 | 23.50              |
|                          |         | HIGH      | QPSK       | 22.50 | 22.89 | 22.58 | 23.50              |
|                          | 25      | LOW       | QPSK       | 22.76 | 22.63 | 22.80 | 23.50              |
| 5                        | 1       | LOW       | Q16        | 23.10 | 22.83 | 22.72 | 23.50              |
|                          |         | MID       | Q16        | 23.06 | 22.72 | 22.87 | 23.50              |
|                          |         | HIGH      | Q16        | 22.75 | 22.87 | 22.81 | 23.50              |
|                          | 12      | LOW       | Q16        | 21.74 | 21.67 | 21.52 | 22.50              |
|                          |         | MID       | Q16        | 21.56 | 21.35 | 21.42 | 22.50              |
|                          |         | HIGH      | Q16        | 21.65 | 21.71 | 21.65 | 22.50              |
|                          | 25      | LOW       | Q16        | 21.80 | 21.61 | 21.48 | 22.50              |
| 5                        | 1       | LOW       | 64QAM      | 21.61 | 21.71 | 21.87 | 22.50              |
|                          |         | MID       | 64QAM      | 21.62 | 21.50 | 21.69 | 22.50              |
|                          |         | HIGH      | 64QAM      | 21.76 | 21.57 | 21.98 | 22.50              |
|                          | 12      | LOW       | 64QAM      | 20.54 | 20.55 | 20.67 | 21.50              |
|                          |         | MID       | 64QAM      | 20.83 | 20.54 | 20.84 | 21.50              |
|                          |         | HIGH      | 64QAM      | 20.80 | 20.65 | 20.46 | 21.50              |
|                          | 25      | LOW       | 64QAM      | 20.45 | 20.72 | 20.68 | 21.50              |

| LTE B2-Full Power -Ant.2 |         |           |            |       |       |       |                    |
|--------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 18650 | 18900 | 19150 | Tune-up power(dBm) |
| 10                       | 1       | LOW       | QPSK       | 23.68 | 23.54 | 23.74 | 24.50              |
|                          |         | MID       | QPSK       | 23.51 | 23.49 | 23.57 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.35 | 23.48 | 23.39 | 24.50              |
|                          | 25      | LOW       | QPSK       | 22.64 | 22.59 | 22.89 | 23.50              |
|                          |         | MID       | QPSK       | 22.84 | 22.72 | 22.64 | 23.50              |
|                          |         | HIGH      | QPSK       | 22.44 | 22.74 | 22.71 | 23.50              |
|                          | 50      | LOW       | QPSK       | 22.75 | 22.67 | 22.65 | 23.50              |
| 10                       | 1       | LOW       | Q16        | 22.98 | 22.97 | 22.62 | 23.50              |
|                          |         | MID       | Q16        | 23.12 | 22.73 | 22.92 | 23.50              |
|                          |         | HIGH      | Q16        | 22.78 | 22.87 | 23.06 | 23.50              |
|                          | 25      | LOW       | Q16        | 21.72 | 21.56 | 21.64 | 22.50              |
|                          |         | MID       | Q16        | 21.62 | 21.57 | 21.44 | 22.50              |
|                          |         | HIGH      | Q16        | 21.79 | 21.43 | 21.73 | 22.50              |
|                          | 50      | LOW       | Q16        | 21.73 | 21.55 | 21.48 | 22.50              |
| 10                       | 1       | LOW       | 64QAM      | 21.60 | 21.72 | 21.99 | 22.50              |
|                          |         | MID       | 64QAM      | 21.57 | 21.68 | 21.81 | 22.50              |
|                          |         | HIGH      | 64QAM      | 22.00 | 21.60 | 21.94 | 22.50              |
|                          | 25      | LOW       | 64QAM      | 20.66 | 20.51 | 20.66 | 21.50              |
|                          |         | MID       | 64QAM      | 20.93 | 20.63 | 20.74 | 21.50              |
|                          |         | HIGH      | 64QAM      | 20.70 | 20.75 | 20.52 | 21.50              |
|                          | 50      | LOW       | 64QAM      | 20.60 | 20.72 | 20.50 | 21.50              |
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 18675 | 18900 | 19125 | Tune-up power(dBm) |
| 15                       | 1       | LOW       | QPSK       | 23.66 | 23.66 | 23.74 | 24.50              |
|                          |         | MID       | QPSK       | 23.57 | 23.63 | 23.56 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.63 | 23.62 | 23.41 | 24.50              |
|                          | 36      | LOW       | QPSK       | 22.68 | 22.79 | 22.59 | 23.50              |
|                          |         | MID       | QPSK       | 22.62 | 22.74 | 22.61 | 23.50              |
|                          |         | HIGH      | QPSK       | 22.64 | 22.61 | 22.55 | 23.50              |
|                          | 75      | LOW       | QPSK       | 22.49 | 22.68 | 22.74 | 23.50              |
| 15                       | 1       | LOW       | Q16        | 22.94 | 22.85 | 22.67 | 23.50              |
|                          |         | MID       | Q16        | 22.85 | 22.75 | 22.97 | 23.50              |
|                          |         | HIGH      | Q16        | 22.59 | 22.87 | 22.94 | 23.50              |
|                          | 36      | LOW       | Q16        | 21.47 | 21.41 | 21.63 | 22.50              |
|                          |         | MID       | Q16        | 21.62 | 21.30 | 21.36 | 22.50              |
|                          |         | HIGH      | Q16        | 21.71 | 21.42 | 21.70 | 22.50              |
|                          | 75      | LOW       | Q16        | 21.54 | 21.62 | 21.45 | 22.50              |
| 15                       | 1       | LOW       | 64QAM      | 21.56 | 21.75 | 21.73 | 22.50              |
|                          |         | MID       | 64QAM      | 21.68 | 21.53 | 21.86 | 22.50              |
|                          |         | HIGH      | 64QAM      | 21.97 | 21.78 | 21.86 | 22.50              |
|                          | 36      | LOW       | 64QAM      | 20.47 | 20.69 | 20.54 | 21.50              |
|                          |         | MID       | 64QAM      | 20.84 | 20.47 | 20.56 | 21.50              |
|                          |         | HIGH      | 64QAM      | 20.88 | 20.71 | 20.41 | 21.50              |
|                          | 75      | LOW       | 64QAM      | 20.60 | 20.58 | 20.53 | 21.50              |
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 18700 | 18900 | 19100 | Tune-up power(dBm) |
| 20                       | 1       | LOW       | QPSK       | 23.63 | 23.65 | 23.65 | 24.50              |
|                          |         | MID       | QPSK       | 23.64 | 23.51 | 23.45 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.48 | 23.54 | 23.49 | 24.50              |
|                          | 50      | LOW       | QPSK       | 22.70 | 22.64 | 22.74 | 23.50              |
|                          |         | MID       | QPSK       | 22.70 | 22.69 | 22.71 | 23.50              |
|                          |         | HIGH      | QPSK       | 22.50 | 22.76 | 22.68 | 23.50              |
|                          | 100     | LOW       | QPSK       | 22.62 | 22.56 | 22.65 | 23.50              |
| 20                       | 1       | LOW       | Q16        | 22.97 | 22.84 | 22.74 | 23.50              |
|                          |         | MID       | Q16        | 22.97 | 22.83 | 22.94 | 23.50              |
|                          |         | HIGH      | Q16        | 22.69 | 22.91 | 22.92 | 23.50              |
|                          | 50      | LOW       | Q16        | 21.60 | 21.55 | 21.61 | 22.50              |
|                          |         | MID       | Q16        | 21.60 | 21.44 | 21.45 | 22.50              |
|                          |         | HIGH      | Q16        | 21.69 | 21.57 | 21.58 | 22.50              |
|                          | 100     | LOW       | Q16        | 21.65 | 21.54 | 21.43 | 22.50              |
| 20                       | 1       | LOW       | 64QAM      | 21.69 | 21.75 | 21.85 | 22.50              |
|                          |         | MID       | 64QAM      | 21.63 | 21.61 | 21.72 | 22.50              |
|                          |         | HIGH      | 64QAM      | 21.87 | 21.65 | 21.83 | 22.50              |
|                          | 50      | LOW       | 64QAM      | 20.55 | 20.65 | 20.64 | 21.50              |
|                          |         | MID       | 64QAM      | 20.79 | 20.62 | 20.71 | 21.50              |
|                          |         | HIGH      | 64QAM      | 20.76 | 20.77 | 20.53 | 21.50              |
|                          | 100     | LOW       | 64QAM      | 20.51 | 20.63 | 20.64 | 21.50              |

## 8.4.1 LTE Band2 Output Power

| LTE B2-Full Power -Ant.2(ENDC) |         |           |            |       |       |       |                    |
|--------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 18607 | 18900 | 19193 | Tune-up power(dBm) |
| 1.4                            | 1       | LOW       | QPSK       | 23.54 | 23.39 | 23.68 | 24.50              |
|                                |         | MID       | QPSK       | 23.62 | 23.55 | 23.53 | 24.50              |
|                                |         | HIGH      | QPSK       | 23.46 | 23.44 | 23.37 | 24.50              |
|                                | 3       | LOW       | QPSK       | 23.61 | 23.65 | 23.60 | 24.50              |
|                                |         | MID       | QPSK       | 23.50 | 23.53 | 23.53 | 24.50              |
|                                |         | HIGH      | QPSK       | 23.38 | 23.49 | 23.51 | 24.50              |
|                                | 6       | LOW       | QPSK       | 22.57 | 22.62 | 22.77 | 23.50              |
| 1.4                            | 1       | LOW       | Q16        | 22.86 | 22.94 | 22.70 | 23.50              |
|                                |         | MID       | Q16        | 22.83 | 22.81 | 22.99 | 23.50              |
|                                |         | HIGH      | Q16        | 22.73 | 22.84 | 22.82 | 23.50              |
|                                | 3       | LOW       | Q16        | 22.89 | 22.43 | 22.78 | 23.50              |
|                                |         | MID       | Q16        | 22.84 | 22.74 | 22.81 | 23.50              |
|                                |         | HIGH      | Q16        | 22.69 | 22.84 | 22.78 | 23.50              |
|                                | 6       | LOW       | Q16        | 21.58 | 21.52 | 21.51 | 22.50              |
| 1.4                            | 1       | LOW       | 64QAM      | 21.86 | 22.04 | 21.77 | 22.50              |
|                                |         | MID       | 64QAM      | 21.91 | 21.94 | 21.92 | 22.50              |
|                                |         | HIGH      | 64QAM      | 21.75 | 21.79 | 21.89 | 22.50              |
|                                | 3       | LOW       | 64QAM      | 21.75 | 21.53 | 21.74 | 22.50              |
|                                |         | MID       | 64QAM      | 21.97 | 21.86 | 21.94 | 22.50              |
|                                |         | HIGH      | 64QAM      | 21.56 | 21.95 | 21.91 | 22.50              |
|                                | 6       | LOW       | 64QAM      | 20.46 | 20.64 | 20.64 | 21.50              |
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 18615 | 18900 | 19185 | Tune-up power(dBm) |
| 3                              | 1       | LOW       | QPSK       | 23.68 | 23.58 | 23.57 | 24.50              |
|                                |         | MID       | QPSK       | 23.67 | 23.53 | 23.34 | 24.50              |
|                                |         | HIGH      | QPSK       | 23.63 | 23.54 | 23.53 | 24.50              |
|                                | 8       | LOW       | QPSK       | 22.79 | 22.68 | 22.65 | 23.50              |
|                                |         | MID       | QPSK       | 22.83 | 22.69 | 22.70 | 23.50              |
|                                |         | HIGH      | QPSK       | 22.58 | 22.63 | 22.58 | 23.50              |
|                                | 15      | LOW       | QPSK       | 22.61 | 22.66 | 22.75 | 23.50              |
| 3                              | 1       | LOW       | Q16        | 23.11 | 22.96 | 22.72 | 23.50              |
|                                |         | MID       | Q16        | 22.98 | 22.94 | 22.84 | 23.50              |
|                                |         | HIGH      | Q16        | 22.76 | 22.91 | 22.86 | 23.50              |
|                                | 8       | LOW       | Q16        | 21.62 | 21.50 | 21.62 | 22.50              |
|                                |         | MID       | Q16        | 21.65 | 21.46 | 21.44 | 22.50              |
|                                |         | HIGH      | Q16        | 21.66 | 21.57 | 21.44 | 22.50              |
|                                | 15      | LOW       | Q16        | 21.55 | 21.51 | 21.45 | 22.50              |
| 3                              | 1       | LOW       | 64QAM      | 21.73 | 21.87 | 21.82 | 22.50              |
|                                |         | MID       | 64QAM      | 21.59 | 21.52 | 21.85 | 22.50              |
|                                |         | HIGH      | 64QAM      | 21.77 | 21.77 | 21.96 | 22.50              |
|                                | 8       | LOW       | 64QAM      | 20.41 | 20.80 | 20.78 | 21.50              |
|                                |         | MID       | 64QAM      | 20.87 | 20.73 | 20.81 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.75 | 20.81 | 20.49 | 21.50              |
|                                | 15      | LOW       | 64QAM      | 20.36 | 20.48 | 20.53 | 21.50              |
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 18625 | 18900 | 19175 | Tune-up power(dBm) |
| 5                              | 1       | LOW       | QPSK       | 23.74 | 23.53 | 23.79 | 24.50              |
|                                |         | MID       | QPSK       | 23.56 | 23.37 | 23.44 | 24.50              |
|                                |         | HIGH      | QPSK       | 23.37 | 23.50 | 23.34 | 24.50              |
|                                | 12      | LOW       | QPSK       | 22.83 | 22.73 | 22.60 | 23.50              |
|                                |         | MID       | QPSK       | 22.66 | 22.59 | 22.71 | 23.50              |
|                                |         | HIGH      | QPSK       | 22.50 | 22.89 | 22.58 | 23.50              |
|                                | 25      | LOW       | QPSK       | 22.76 | 22.63 | 22.80 | 23.50              |
| 5                              | 1       | LOW       | Q16        | 23.10 | 22.83 | 22.72 | 23.50              |
|                                |         | MID       | Q16        | 23.06 | 22.72 | 22.87 | 23.50              |
|                                |         | HIGH      | Q16        | 22.75 | 22.87 | 22.81 | 23.50              |
|                                | 12      | LOW       | Q16        | 21.74 | 21.67 | 21.52 | 22.50              |
|                                |         | MID       | Q16        | 21.56 | 21.35 | 21.42 | 22.50              |
|                                |         | HIGH      | Q16        | 21.65 | 21.71 | 21.65 | 22.50              |
|                                | 25      | LOW       | Q16        | 21.80 | 21.61 | 21.48 | 22.50              |
| 5                              | 1       | LOW       | 64QAM      | 21.61 | 21.71 | 21.87 | 22.50              |
|                                |         | MID       | 64QAM      | 21.62 | 21.50 | 21.69 | 22.50              |
|                                |         | HIGH      | 64QAM      | 21.76 | 21.57 | 21.98 | 22.50              |
|                                | 12      | LOW       | 64QAM      | 20.54 | 20.55 | 20.67 | 21.50              |
|                                |         | MID       | 64QAM      | 20.83 | 20.54 | 20.84 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.80 | 20.65 | 20.46 | 21.50              |
|                                | 25      | LOW       | 64QAM      | 20.45 | 20.72 | 20.68 | 21.50              |

| LTE B2-Full Power -Ant.2(ENDC) |         |           |            |       |       |       |                    |
|--------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 18650 | 18900 | 19150 | Tune-up power(dBm) |
| 10                             | 1       | LOW       | QPSK       | 23.68 | 23.54 | 23.74 | 24.50              |
|                                |         | MID       | QPSK       | 23.51 | 23.49 | 23.57 | 24.50              |
|                                |         | HIGH      | QPSK       | 23.35 | 23.48 | 23.39 | 24.50              |
|                                | 25      | LOW       | QPSK       | 22.64 | 22.59 | 22.89 | 23.50              |
|                                |         | MID       | QPSK       | 22.84 | 22.72 | 22.64 | 23.50              |
|                                |         | HIGH      | QPSK       | 22.44 | 22.74 | 22.71 | 23.50              |
|                                | 50      | LOW       | QPSK       | 22.75 | 22.67 | 22.65 | 23.50              |
| 10                             | 1       | LOW       | Q16        | 22.98 | 22.97 | 22.62 | 23.50              |
|                                |         | MID       | Q16        | 23.12 | 22.73 | 22.92 | 23.50              |
|                                |         | HIGH      | Q16        | 22.78 | 22.87 | 23.06 | 23.50              |
|                                | 25      | LOW       | Q16        | 21.72 | 21.56 | 21.64 | 22.50              |
|                                |         | MID       | Q16        | 21.62 | 21.57 | 21.44 | 22.50              |
|                                |         | HIGH      | Q16        | 21.79 | 21.43 | 21.73 | 22.50              |
|                                | 50      | LOW       | Q16        | 21.73 | 21.55 | 21.48 | 22.50              |
| 10                             | 1       | LOW       | 64QAM      | 21.60 | 21.72 | 21.99 | 22.50              |
|                                |         | MID       | 64QAM      | 21.57 | 21.68 | 21.81 | 22.50              |
|                                |         | HIGH      | 64QAM      | 22.00 | 21.60 | 21.94 | 22.50              |
|                                | 25      | LOW       | 64QAM      | 20.66 | 20.51 | 20.66 | 21.50              |
|                                |         | MID       | 64QAM      | 20.93 | 20.63 | 20.74 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.70 | 20.75 | 20.52 | 21.50              |
|                                | 50      | LOW       | 64QAM      | 20.60 | 20.72 | 20.50 | 21.50              |
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 18675 | 18900 | 19125 | Tune-up power(dBm) |
| 15                             | 1       | LOW       | QPSK       | 23.66 | 23.66 | 23.74 | 24.50              |
|                                |         | MID       | QPSK       | 23.57 | 23.63 | 23.56 | 24.50              |
|                                |         | HIGH      | QPSK       | 23.63 | 23.62 | 23.41 | 24.50              |
|                                | 36      | LOW       | QPSK       | 22.68 | 22.79 | 22.59 | 23.50              |
|                                |         | MID       | QPSK       | 22.62 | 22.74 | 22.61 | 23.50              |
|                                |         | HIGH      | QPSK       | 22.64 | 22.61 | 22.55 | 23.50              |
|                                | 75      | LOW       | QPSK       | 22.49 | 22.68 | 22.74 | 23.50              |
| 15                             | 1       | LOW       | Q16        | 22.94 | 22.85 | 22.67 | 23.50              |
|                                |         | MID       | Q16        | 22.85 | 22.75 | 22.97 | 23.50              |
|                                |         | HIGH      | Q16        | 22.59 | 22.87 | 22.94 | 23.50              |
|                                | 36      | LOW       | Q16        | 21.47 | 21.41 | 21.63 | 22.50              |
|                                |         | MID       | Q16        | 21.62 | 21.30 | 21.36 | 22.50              |
|                                |         | HIGH      | Q16        | 21.71 | 21.42 | 21.70 | 22.50              |
|                                | 75      | LOW       | Q16        | 21.54 | 21.62 | 21.45 | 22.50              |
| 15                             | 1       | LOW       | 64QAM      | 21.56 | 21.75 | 21.73 | 22.50              |
|                                |         | MID       | 64QAM      | 21.68 | 21.53 | 21.86 | 22.50              |
|                                |         | HIGH      | 64QAM      | 21.97 | 21.78 | 21.86 | 22.50              |
|                                | 36      | LOW       | 64QAM      | 20.47 | 20.69 | 20.54 | 21.50              |
|                                |         | MID       | 64QAM      | 20.84 | 20.47 | 20.56 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.88 | 20.71 | 20.41 | 21.50              |
|                                | 75      | LOW       | 64QAM      | 20.60 | 20.58 | 20.53 | 21.50              |
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 18700 | 18900 | 19100 | Tune-up power(dBm) |
| 20                             | 1       | LOW       | QPSK       | 23.63 | 23.65 | 23.65 | 24.50              |
|                                |         | MID       | QPSK       | 23.64 | 23.51 | 23.45 | 24.50              |
|                                |         | HIGH      | QPSK       | 23.48 | 23.54 | 23.49 | 24.50              |
|                                | 50      | LOW       | QPSK       | 22.70 | 22.64 | 22.74 | 23.50              |
|                                |         | MID       | QPSK       | 22.70 | 22.69 | 22.71 | 23.50              |
|                                |         | HIGH      | QPSK       | 22.50 | 22.76 | 22.68 | 23.50              |
|                                | 100     | LOW       | QPSK       | 22.62 | 22.56 | 22.65 | 23.50              |
| 20                             | 1       | LOW       | Q16        | 22.97 | 22.84 | 22.74 | 23.50              |
|                                |         | MID       | Q16        | 22.97 | 22.83 | 22.94 | 23.50              |
|                                |         | HIGH      | Q16        | 22.69 | 22.91 | 22.92 | 23.50              |
|                                | 50      | LOW       | Q16        | 21.60 | 21.55 | 21.61 | 22.50              |
|                                |         | MID       | Q16        | 21.60 | 21.44 | 21.45 | 22.50              |
|                                |         | HIGH      | Q16        | 21.69 | 21.57 | 21.58 | 22.50              |
|                                | 100     | LOW       | Q16        | 21.65 | 21.54 | 21.43 | 22.50              |
| 20                             | 1       | LOW       | 64QAM      | 21.69 | 21.75 | 21.85 | 22.50              |
|                                |         | MID       | 64QAM      | 21.63 | 21.61 | 21.72 | 22.50              |
|                                |         | HIGH      | 64QAM      | 21.87 | 21.65 | 21.83 | 22.50              |
|                                | 50      | LOW       | 64QAM      | 20.55 | 20.65 | 20.64 | 21.50              |
|                                |         | MID       | 64QAM      | 20.79 | 20.62 | 20.71 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.76 | 20.77 | 20.53 | 21.50              |
|                                | 100     | LOW       | 64QAM      | 20.57 | 20.50 | 20.63 | 21.50              |

## 8.4.1 LTE Band2 Output Power

| LTE B2-Full Power -Ant.2(ENDC) |         |           |            |       |       |       |                    |
|--------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 18607 | 18900 | 19193 | Tune-up power(dBm) |
| 1.4                            | 1       | LOW       | QPSK       | 20.48 | 20.44 | 20.70 | 21.50              |
|                                |         | MID       | QPSK       | 20.58 | 20.40 | 20.34 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.42 | 20.49 | 20.20 | 21.50              |
|                                | 3       | LOW       | QPSK       | 20.49 | 20.65 | 20.51 | 21.50              |
|                                |         | MID       | QPSK       | 20.54 | 20.42 | 20.55 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.15 | 20.32 | 20.39 | 21.50              |
|                                | 6       | LOW       | QPSK       | 20.60 | 20.51 | 20.80 | 21.50              |
| 1.4                            | 1       | LOW       | Q16        | 20.87 | 20.71 | 20.67 | 21.50              |
|                                |         | MID       | Q16        | 20.61 | 20.64 | 20.87 | 21.50              |
|                                |         | HIGH      | Q16        | 20.70 | 20.68 | 20.64 | 21.50              |
|                                | 3       | LOW       | Q16        | 20.72 | 20.28 | 20.79 | 21.50              |
|                                |         | MID       | Q16        | 20.81 | 20.70 | 20.82 | 21.50              |
|                                |         | HIGH      | Q16        | 20.70 | 20.81 | 20.68 | 21.50              |
|                                | 6       | LOW       | Q16        | 20.41 | 20.44 | 20.30 | 21.50              |
| 1.4                            | 1       | LOW       | 64QAM      | 20.73 | 20.94 | 20.80 | 21.50              |
|                                |         | MID       | 64QAM      | 20.89 | 20.79 | 20.91 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.53 | 20.67 | 20.74 | 21.50              |
|                                | 3       | LOW       | 64QAM      | 20.75 | 20.38 | 20.77 | 21.50              |
|                                |         | MID       | 64QAM      | 20.96 | 20.84 | 20.79 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.51 | 20.87 | 20.84 | 21.50              |
|                                | 6       | LOW       | 64QAM      | 20.23 | 20.66 | 20.53 | 21.50              |
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 18615 | 18900 | 19185 | Tune-up power(dBm) |
| 3                              | 1       | LOW       | QPSK       | 20.58 | 20.37 | 20.56 | 21.50              |
|                                |         | MID       | QPSK       | 20.59 | 20.48 | 20.13 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.49 | 20.57 | 20.58 | 21.50              |
|                                | 8       | LOW       | QPSK       | 20.59 | 20.54 | 20.56 | 21.50              |
|                                |         | MID       | QPSK       | 20.62 | 20.65 | 20.56 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.61 | 20.43 | 20.46 | 21.50              |
|                                | 15      | LOW       | QPSK       | 20.61 | 20.62 | 20.53 | 21.50              |
| 3                              | 1       | LOW       | Q16        | 20.97 | 21.01 | 20.54 | 21.50              |
|                                |         | MID       | Q16        | 20.93 | 20.73 | 20.76 | 21.50              |
|                                |         | HIGH      | Q16        | 20.78 | 20.88 | 20.81 | 21.50              |
|                                | 8       | LOW       | Q16        | 20.43 | 20.33 | 20.57 | 21.50              |
|                                |         | MID       | Q16        | 20.61 | 20.39 | 20.48 | 21.50              |
|                                |         | HIGH      | Q16        | 20.45 | 20.41 | 20.28 | 21.50              |
|                                | 15      | LOW       | Q16        | 20.53 | 20.41 | 20.29 | 21.50              |
| 3                              | 1       | LOW       | 64QAM      | 20.73 | 20.67 | 20.85 | 21.50              |
|                                |         | MID       | 64QAM      | 20.49 | 20.43 | 20.68 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.63 | 20.59 | 20.83 | 21.50              |
|                                | 8       | LOW       | 64QAM      | 20.45 | 20.68 | 20.70 | 21.50              |
|                                |         | MID       | 64QAM      | 20.64 | 20.67 | 20.61 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.65 | 20.68 | 20.53 | 21.50              |
|                                | 15      | LOW       | 64QAM      | 20.34 | 20.39 | 20.39 | 21.50              |
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 18625 | 18900 | 19175 | Tune-up power(dBm) |
| 5                              | 1       | LOW       | QPSK       | 20.54 | 20.55 | 20.66 | 21.50              |
|                                |         | MID       | QPSK       | 20.51 | 20.27 | 20.28 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.35 | 20.46 | 20.16 | 21.50              |
|                                | 12      | LOW       | QPSK       | 20.77 | 20.75 | 20.60 | 21.50              |
|                                |         | MID       | QPSK       | 20.47 | 20.61 | 20.49 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.43 | 20.68 | 20.48 | 21.50              |
|                                | 25      | LOW       | QPSK       | 20.60 | 20.53 | 20.68 | 21.50              |
| 5                              | 1       | LOW       | Q16        | 20.95 | 20.69 | 20.52 | 21.50              |
|                                |         | MID       | Q16        | 21.00 | 20.70 | 20.67 | 21.50              |
|                                |         | HIGH      | Q16        | 20.57 | 20.83 | 20.68 | 21.50              |
|                                | 12      | LOW       | Q16        | 20.68 | 20.45 | 20.42 | 21.50              |
|                                |         | MID       | Q16        | 20.49 | 20.29 | 20.22 | 21.50              |
|                                |         | HIGH      | Q16        | 20.62 | 20.54 | 20.49 | 21.50              |
|                                | 25      | LOW       | Q16        | 20.62 | 20.56 | 20.39 | 21.50              |
| 5                              | 1       | LOW       | 64QAM      | 20.47 | 20.56 | 20.79 | 21.50              |
|                                |         | MID       | 64QAM      | 20.47 | 20.47 | 20.65 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.56 | 20.34 | 20.78 | 21.50              |
|                                | 12      | LOW       | 64QAM      | 20.35 | 20.59 | 20.71 | 21.50              |
|                                |         | MID       | 64QAM      | 20.83 | 20.42 | 20.75 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.70 | 20.60 | 20.39 | 21.50              |
|                                | 25      | LOW       | 64QAM      | 20.37 | 20.38 | 20.50 | 21.50              |



| LTE B2-Full Power -Ant.2(ENDC) |         |           |            |       |       |       |                    |
|--------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 18650 | 18900 | 19150 | Tune-up power(dBm) |
| 10                             | 1       | LOW       | QPSK       | 20.64 | 20.52 | 20.66 | 21.50              |
|                                |         | MID       | QPSK       | 20.51 | 20.29 | 20.36 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.28 | 20.35 | 20.22 | 21.50              |
|                                | 25      | LOW       | QPSK       | 20.45 | 20.52 | 20.69 | 21.50              |
|                                |         | MID       | QPSK       | 20.70 | 20.66 | 20.44 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.39 | 20.74 | 20.49 | 21.50              |
|                                | 50      | LOW       | QPSK       | 20.77 | 20.46 | 20.51 | 21.50              |
| 10                             | 1       | LOW       | Q16        | 20.97 | 20.90 | 20.47 | 21.50              |
|                                |         | MID       | Q16        | 20.97 | 20.62 | 20.96 | 21.50              |
|                                |         | HIGH      | Q16        | 20.60 | 20.72 | 20.87 | 21.50              |
|                                | 25      | LOW       | Q16        | 20.75 | 20.50 | 20.57 | 21.50              |
|                                |         | MID       | Q16        | 20.47 | 20.55 | 20.34 | 21.50              |
|                                |         | HIGH      | Q16        | 20.66 | 20.21 | 20.60 | 21.50              |
|                                | 50      | LOW       | Q16        | 20.62 | 20.53 | 20.37 | 21.50              |
| 10                             | 1       | LOW       | 64QAM      | 20.41 | 20.61 | 20.81 | 21.50              |
|                                |         | MID       | 64QAM      | 20.38 | 20.49 | 20.58 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.85 | 20.61 | 20.98 | 21.50              |
|                                | 25      | LOW       | 64QAM      | 20.50 | 20.55 | 20.60 | 21.50              |
|                                |         | MID       | 64QAM      | 20.76 | 20.54 | 20.73 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.67 | 20.56 | 20.51 | 21.50              |
|                                | 50      | LOW       | 64QAM      | 20.65 | 20.59 | 20.38 | 21.50              |
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 18675 | 18900 | 19125 | Tune-up power(dBm) |
| 15                             | 1       | LOW       | QPSK       | 20.67 | 20.70 | 20.63 | 21.50              |
|                                |         | MID       | QPSK       | 20.55 | 20.61 | 20.58 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.60 | 20.40 | 20.45 | 21.50              |
|                                | 36      | LOW       | QPSK       | 20.57 | 20.81 | 20.62 | 21.50              |
|                                |         | MID       | QPSK       | 20.43 | 20.74 | 20.49 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.43 | 20.54 | 20.59 | 21.50              |
|                                | 75      | LOW       | QPSK       | 20.34 | 20.45 | 20.75 | 21.50              |
| 15                             | 1       | LOW       | Q16        | 20.75 | 20.78 | 20.59 | 21.50              |
|                                |         | MID       | Q16        | 20.82 | 20.67 | 20.83 | 21.50              |
|                                |         | HIGH      | Q16        | 20.48 | 20.89 | 20.81 | 21.50              |
|                                | 36      | LOW       | Q16        | 20.43 | 20.22 | 20.54 | 21.50              |
|                                |         | MID       | Q16        | 20.59 | 20.33 | 20.37 | 21.50              |
|                                |         | HIGH      | Q16        | 20.63 | 20.35 | 20.65 | 21.50              |
|                                | 75      | LOW       | Q16        | 20.53 | 20.60 | 20.22 | 21.50              |
| 15                             | 1       | LOW       | 64QAM      | 20.61 | 20.76 | 20.70 | 21.50              |
|                                |         | MID       | 64QAM      | 20.55 | 20.48 | 20.67 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.98 | 20.77 | 20.90 | 21.50              |
|                                | 36      | LOW       | 64QAM      | 20.27 | 20.63 | 20.35 | 21.50              |
|                                |         | MID       | 64QAM      | 20.78 | 20.36 | 20.52 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.86 | 20.55 | 20.32 | 21.50              |
|                                | 75      | LOW       | 64QAM      | 20.57 | 20.38 | 20.49 | 21.50              |
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 18700 | 18900 | 19100 | Tune-up power(dBm) |
| 20                             | 1       | LOW       | QPSK       | 20.47 | 20.43 | 20.57 | 21.50              |
|                                |         | MID       | QPSK       | 20.64 | 20.54 | 20.42 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.42 | 20.55 | 20.44 | 21.50              |
|                                | 50      | LOW       | QPSK       | 20.58 | 20.44 | 20.64 | 21.50              |
|                                |         | MID       | QPSK       | 20.59 | 20.49 | 20.55 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.36 | 20.64 | 20.47 | 21.50              |
|                                | 100     | LOW       | QPSK       | 20.52 | 20.49 | 20.57 | 21.50              |
| 20                             | 1       | LOW       | Q16        | 20.85 | 20.67 | 20.51 | 21.50              |
|                                |         | MID       | Q16        | 21.01 | 20.72 | 20.96 | 21.50              |
|                                |         | HIGH      | Q16        | 20.53 | 20.69 | 20.93 | 21.50              |
|                                | 50      | LOW       | Q16        | 20.42 | 20.44 | 20.47 | 21.50              |
|                                |         | MID       | Q16        | 20.56 | 20.40 | 20.37 | 21.50              |
|                                |         | HIGH      | Q16        | 20.65 | 20.55 | 20.62 | 21.50              |
|                                | 100     | LOW       | Q16        | 20.50 | 20.47 | 20.25 | 21.50              |
| 20                             | 1       | LOW       | 64QAM      | 20.64 | 20.54 | 20.81 | 21.50              |
|                                |         | MID       | 64QAM      | 20.45 | 20.65 | 20.50 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.68 | 20.63 | 20.71 | 21.50              |
|                                | 50      | LOW       | 64QAM      | 20.48 | 20.63 | 20.47 | 21.50              |
|                                |         | MID       | 64QAM      | 20.63 | 20.46 | 20.72 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.74 | 20.62 | 20.36 | 21.50              |
|                                | 100     | LOW       | 64QAM      | 20.50 | 20.60 | 20.51 | 21.50              |

## 8.4.1 LTE Band2 Output Power

| LTE B2-Full Power -Ant.6 (ENDC) |         |           |            |           |       |       |                    |
|---------------------------------|---------|-----------|------------|-----------|-------|-------|--------------------|
| Bandwidth (MHz)                 | RB Size | RB offset | Modulation | 18607     | 18900 | 19193 | Tune-up power(dBm) |
| 1.4                             | 1       | LOW       | QPSK       | 23.17     | 23.33 | 23.44 | 24.50              |
|                                 |         | MID       | QPSK       | 23.29     | 23.39 | 23.46 | 24.50              |
|                                 |         | HIGH      | QPSK       | 23.13     | 23.44 | 23.34 | 24.50              |
|                                 | 3       | LOW       | QPSK       | 23.30     | 23.31 | 23.45 | 24.50              |
|                                 |         | MID       | QPSK       | 23.31     | 23.50 | 23.46 | 24.50              |
|                                 |         | HIGH      | QPSK       | 23.36     | 23.45 | 23.47 | 24.50              |
|                                 | 6       | LOW       | QPSK       | 22.43     | 22.51 | 22.46 | 23.50              |
| 1.4                             | 1       | LOW       | Q16        | 22.38     | 22.60 | 22.74 | 23.50              |
|                                 |         | MID       | Q16        | 22.76     | 22.49 | 22.52 | 23.50              |
|                                 |         | HIGH      | Q16        | 22.53     | 22.60 | 22.79 | 23.50              |
|                                 | 3       | LOW       | Q16        | 22.51     | 22.30 | 22.66 | 23.50              |
|                                 |         | MID       | Q16        | 22.65     | 22.55 | 22.42 | 23.50              |
|                                 |         | HIGH      | Q16        | 22.37     | 22.53 | 22.66 | 23.50              |
|                                 | 6       | LOW       | Q16        | 21.26     | 21.36 | 21.37 | 22.50              |
| 1.4                             | 1       | LOW       | 64QAM      | 21.53     | 21.57 | 21.74 | 22.50              |
|                                 |         | MID       | 64QAM      | 21.80     | 21.48 | 21.64 | 22.50              |
|                                 |         | HIGH      | 64QAM      | 21.67     | 21.73 | 21.83 | 22.50              |
|                                 | 3       | LOW       | 64QAM      | 21.57     | 21.25 | 21.72 | 22.50              |
|                                 |         | MID       | 64QAM      | 21.50     | 21.46 | 21.38 | 22.50              |
|                                 |         | HIGH      | 64QAM      | 21.22     | 21.55 | 21.59 | 22.50              |
|                                 | 6       | LOW       | 64QAM      | 20.30     | 20.24 | 20.44 | 21.50              |
| Bandwidth (MHz)                 | RB Size | RB offset | Modulation | 18615     | 18900 | 19185 | Tune-up power(dBm) |
| 3                               | 1       | LOW       | QPSK       | 23.32     | 23.42 | 23.44 | 24.50              |
|                                 |         | MID       | QPSK       | 23.52     | 23.41 | 23.53 | 24.50              |
|                                 |         | HIGH      | QPSK       | 23.37     | 23.30 | 23.31 | 24.50              |
|                                 | 8       | LOW       | QPSK       | 22.61     | 22.55 | 22.78 | 23.50              |
|                                 |         | MID       | QPSK       | 22.50     | 22.47 | 22.62 | 23.50              |
|                                 |         | HIGH      | QPSK       | 22.55     | 22.42 | 22.67 | 23.50              |
|                                 | 15      | LOW       | QPSK       | 22.19     | 22.57 | 22.36 | 23.50              |
| 3                               | 1       | LOW       | Q16        | 22.53     | 22.65 | 22.87 | 23.50              |
|                                 |         | MID       | Q16        | 22.79     | 22.61 | 22.37 | 23.50              |
|                                 |         | HIGH      | Q16        | 22.37     | 22.84 | 22.80 | 23.50              |
|                                 | 8       | LOW       | Q16        | 21.64     | 21.70 | 21.56 | 22.50              |
|                                 |         | MID       | Q16        | 21.47     | 21.80 | 21.50 | 22.50              |
|                                 |         | HIGH      | Q16        | 21.65     | 21.59 | 21.33 | 22.50              |
|                                 | 15      | LOW       | Q16        | 21.25     | 21.45 | 21.42 | 22.50              |
| 3                               | 1       | LOW       | 64QAM      | 21.78     | 21.71 | 21.57 | 22.50              |
|                                 |         | MID       | 64QAM      | 21.77     | 21.62 | 21.71 | 22.50              |
|                                 |         | HIGH      | 64QAM      | 21.90     | 21.68 | 21.77 | 22.50              |
|                                 | 8       | LOW       | 64QAM      | 20.59     | 20.64 | 20.61 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.61     | 20.50 | 20.48 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.51     | 20.59 | 20.38 | 21.50              |
|                                 | 15      | LOW       | 64QAM      | 20.52     | 20.61 | 20.34 | 21.50              |
| Bandwidth (MHz)                 | RB Size | RB offset | Modulation | 18625     | 18900 | 19175 | Tune-up power(dBm) |
| 5                               | 1       | LOW       | QPSK       | 23.23     | 23.46 | 23.33 | 24.50              |
|                                 |         | MID       | QPSK       | 23.35     | 23.56 | 23.53 | 24.50              |
|                                 |         | HIGH      | QPSK       | 23.16     | 23.28 | 23.31 | 24.50              |
|                                 | 12      | LOW       | QPSK       | 22.54     | 22.43 | 22.80 | 23.50              |
|                                 |         | MID       | QPSK       | 22.74     | 22.53 | 22.52 | 23.50              |
|                                 |         | HIGH      | QPSK       | 22.49     | 22.53 | 22.62 | 23.50              |
|                                 | 25      | LOW       | QPSK       | 22.30     | 22.42 | 22.59 | 23.50              |
| 5                               | 1       | LOW       | Q16        | 22.47     | 22.76 | 22.69 | 23.50              |
|                                 |         | MID       | Q16        | 22.71     | 22.37 | 22.42 | 23.50              |
|                                 |         | HIGH      | Q16        | 22.44     | 22.70 | 22.54 | 23.50              |
|                                 | 12      | LOW       | Q16        | 21.82     | 21.50 | 21.41 | 22.50              |
|                                 |         | MID       | Q16        | 21.52     | 21.61 | 21.52 | 22.50              |
|                                 |         | HIGH      | Q16        | 21.47     | 21.50 | 21.32 | 22.50              |
|                                 | 25      | LOW       | Q16        | 21.25     | 21.35 | 21.54 | 22.50              |
| 5                               | 1       | LOW       | 64QAM      | 21.83     | 21.84 | 21.53 | 22.50              |
|                                 |         | MID       | 64QAM      | 21.89     | 21.72 | 21.66 | 22.50              |
|                                 |         | HIGH      | 64QAM      | 21.86     | 21.68 | 21.69 | 22.50              |
|                                 | 12      | LOW       | 64QAM      | 20.42     | 20.44 | 20.34 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.83     | 20.69 | 20.53 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.58     | 20.59 | 20.45 | 21.50              |
|                                 | 25      | LOW       | 64QAM      | 20.10/137 | 20.65 | 20.49 | 21.50              |

| LTE B2-Full Power -Ant.6 (ENDC) |         |           |            |       |       |       |                    |
|---------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                 | RB Size | RB offset | Modulation | 18650 | 18900 | 19150 | Tune-up power(dBm) |
| 10                              | 1       | LOW       | QPSK       | 23.17 | 23.44 | 23.48 | 24.50              |
|                                 |         | MID       | QPSK       | 23.25 | 23.55 | 23.53 | 24.50              |
|                                 |         | HIGH      | QPSK       | 23.29 | 23.49 | 23.31 | 24.50              |
|                                 | 25      | LOW       | QPSK       | 22.50 | 22.36 | 22.80 | 23.50              |
|                                 |         | MID       | QPSK       | 22.71 | 22.36 | 22.63 | 23.50              |
|                                 |         | HIGH      | QPSK       | 22.53 | 22.63 | 22.55 | 23.50              |
|                                 | 50      | LOW       | QPSK       | 22.30 | 22.52 | 22.42 | 23.50              |
| 10                              | 1       | LOW       | Q16        | 22.51 | 22.64 | 22.61 | 23.50              |
|                                 |         | MID       | Q16        | 22.76 | 22.62 | 22.55 | 23.50              |
|                                 |         | HIGH      | Q16        | 22.39 | 22.64 | 22.75 | 23.50              |
|                                 | 25      | LOW       | Q16        | 21.60 | 21.59 | 21.40 | 22.50              |
|                                 |         | MID       | Q16        | 21.57 | 21.55 | 21.76 | 22.50              |
|                                 |         | HIGH      | Q16        | 21.49 | 21.63 | 21.57 | 22.50              |
|                                 | 50      | LOW       | Q16        | 21.26 | 21.47 | 21.29 | 22.50              |
| 10                              | 1       | LOW       | 64QAM      | 21.70 | 21.75 | 21.63 | 22.50              |
|                                 |         | MID       | 64QAM      | 21.79 | 21.84 | 21.70 | 22.50              |
|                                 |         | HIGH      | 64QAM      | 21.94 | 21.85 | 21.76 | 22.50              |
|                                 | 25      | LOW       | 64QAM      | 20.71 | 20.60 | 20.38 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.71 | 20.54 | 20.42 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.63 | 20.58 | 20.33 | 21.50              |
|                                 | 50      | LOW       | 64QAM      | 20.42 | 20.37 | 20.53 | 21.50              |
| Bandwidth (MHz)                 | RB Size | RB offset | Modulation | 18675 | 18900 | 19125 | Tune-up power(dBm) |
| 15                              | 1       | LOW       | QPSK       | 23.46 | 23.53 | 23.32 | 24.50              |
|                                 |         | MID       | QPSK       | 23.46 | 23.49 | 23.35 | 24.50              |
|                                 |         | HIGH      | QPSK       | 23.34 | 23.55 | 23.22 | 24.50              |
|                                 | 36      | LOW       | QPSK       | 22.41 | 22.60 | 22.69 | 23.50              |
|                                 |         | MID       | QPSK       | 22.57 | 22.31 | 22.60 | 23.50              |
|                                 |         | HIGH      | QPSK       | 22.48 | 22.50 | 22.74 | 23.50              |
|                                 | 75      | LOW       | QPSK       | 22.37 | 22.43 | 22.48 | 23.50              |
| 15                              | 1       | LOW       | Q16        | 22.46 | 22.63 | 22.80 | 23.50              |
|                                 |         | MID       | Q16        | 22.79 | 22.54 | 22.56 | 23.50              |
|                                 |         | HIGH      | Q16        | 22.36 | 22.60 | 22.56 | 23.50              |
|                                 | 36      | LOW       | Q16        | 21.82 | 21.45 | 21.44 | 22.50              |
|                                 |         | MID       | Q16        | 21.61 | 21.67 | 21.65 | 22.50              |
|                                 |         | HIGH      | Q16        | 21.58 | 21.66 | 21.59 | 22.50              |
|                                 | 75      | LOW       | Q16        | 21.34 | 21.47 | 21.54 | 22.50              |
| 15                              | 1       | LOW       | 64QAM      | 21.57 | 21.61 | 21.80 | 22.50              |
|                                 |         | MID       | 64QAM      | 21.73 | 21.64 | 21.72 | 22.50              |
|                                 |         | HIGH      | 64QAM      | 21.81 | 21.73 | 21.71 | 22.50              |
|                                 | 36      | LOW       | 64QAM      | 20.47 | 20.63 | 20.47 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.85 | 20.52 | 20.52 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.43 | 20.60 | 20.59 | 21.50              |
|                                 | 75      | LOW       | 64QAM      | 20.53 | 20.55 | 20.35 | 21.50              |
| Bandwidth (MHz)                 | RB Size | RB offset | Modulation | 18700 | 18900 | 19100 | Tune-up power(dBm) |
| 20                              | 1       | LOW       | QPSK       | 23.32 | 23.40 | 23.42 | 24.50              |
|                                 |         | MID       | QPSK       | 23.38 | 23.48 | 23.45 | 24.50              |
|                                 |         | HIGH      | QPSK       | 23.28 | 23.42 | 23.37 | 24.50              |
|                                 | 50      | LOW       | QPSK       | 22.47 | 22.51 | 22.60 | 23.50              |
|                                 |         | MID       | QPSK       | 22.62 | 22.44 | 22.61 | 23.50              |
|                                 |         | HIGH      | QPSK       | 22.58 | 22.64 | 22.62 | 23.50              |
|                                 | 100     | LOW       | QPSK       | 22.30 | 22.45 | 22.50 | 23.50              |
| 20                              | 1       | LOW       | Q16        | 22.47 | 22.62 | 22.73 | 23.50              |
|                                 |         | MID       | Q16        | 22.68 | 22.47 | 22.47 | 23.50              |
|                                 |         | HIGH      | Q16        | 22.49 | 22.73 | 22.67 | 23.50              |
|                                 | 50      | LOW       | Q16        | 21.68 | 21.57 | 21.45 | 22.50              |
|                                 |         | MID       | Q16        | 21.54 | 21.66 | 21.61 | 22.50              |
|                                 |         | HIGH      | Q16        | 21.57 | 21.58 | 21.44 | 22.50              |
|                                 | 100     | LOW       | Q16        | 21.40 | 21.49 | 21.39 | 22.50              |
| 20                              | 1       | LOW       | 64QAM      | 21.71 | 21.70 | 21.67 | 22.50              |
|                                 |         | MID       | 64QAM      | 21.83 | 21.75 | 21.69 | 22.50              |
|                                 |         | HIGH      | 64QAM      | 21.79 | 21.83 | 21.62 | 22.50              |
|                                 | 50      | LOW       | 64QAM      | 20.57 | 20.58 | 20.49 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.71 | 20.65 | 20.45 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.48 | 20.65 | 20.48 | 21.50              |
|                                 | 100     | LOW       | 64QAM      | 20.56 | 20.46 | 20.42 | 21.50              |

## 8.4.1 LTE Band2 Output Power

| LTE B2-Full Power -Ant.6 (ENDC) |         |           |            |       |       |       |                    |
|---------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                 | RB Size | RB offset | Modulation | 18607 | 18900 | 19193 | Tune-up power(dBm) |
| 1.4                             | 1       | LOW       | QPSK       | 20.09 | 20.27 | 20.42 | 21.50              |
|                                 |         | MID       | QPSK       | 20.27 | 20.34 | 20.46 | 21.50              |
|                                 |         | HIGH      | QPSK       | 20.06 | 20.31 | 20.36 | 21.50              |
|                                 | 3       | LOW       | QPSK       | 20.38 | 20.32 | 20.51 | 21.50              |
|                                 |         | MID       | QPSK       | 20.37 | 20.57 | 20.55 | 21.50              |
|                                 |         | HIGH      | QPSK       | 20.44 | 20.46 | 20.37 | 21.50              |
|                                 | 6       | LOW       | QPSK       | 20.45 | 20.59 | 20.54 | 21.50              |
|                                 | 1.4     | LOW       | Q16        | 20.36 | 20.54 | 20.70 | 21.50              |
|                                 |         | MID       | Q16        | 20.74 | 20.50 | 20.48 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.58 | 20.63 | 20.84 | 21.50              |
|                                 |         | LOW       | Q16        | 20.46 | 20.39 | 20.75 | 21.50              |
|                                 |         | MID       | Q16        | 20.54 | 20.42 | 20.51 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.24 | 20.62 | 20.57 | 21.50              |
| 1.4                             | 6       | LOW       | Q16        | 20.19 | 20.27 | 20.46 | 21.50              |
|                                 | 1       | LOW       | 64QAM      | 20.46 | 20.60 | 20.82 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.71 | 20.53 | 20.55 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.64 | 20.66 | 20.82 | 21.50              |
|                                 | 3       | LOW       | 64QAM      | 20.61 | 20.30 | 20.75 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.44 | 20.35 | 20.41 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.23 | 20.49 | 20.67 | 21.50              |
|                                 | 6       | LOW       | 64QAM      | 20.19 | 20.14 | 20.31 | 21.50              |
| Bandwidth (MHz)                 | RB Size | RB offset | Modulation | 18615 | 18900 | 19185 | Tune-up power(dBm) |
| 3                               | 1       | LOW       | QPSK       | 20.40 | 20.40 | 20.45 | 21.50              |
|                                 |         | MID       | QPSK       | 20.57 | 20.42 | 20.51 | 21.50              |
|                                 |         | HIGH      | QPSK       | 20.24 | 20.21 | 20.27 | 21.50              |
|                                 | 8       | LOW       | QPSK       | 20.54 | 20.46 | 20.74 | 21.50              |
|                                 |         | MID       | QPSK       | 20.43 | 20.45 | 20.52 | 21.50              |
|                                 |         | HIGH      | QPSK       | 20.43 | 20.44 | 20.55 | 21.50              |
|                                 | 15      | LOW       | QPSK       | 20.28 | 20.66 | 20.24 | 21.50              |
|                                 | 3       | LOW       | Q16        | 20.43 | 20.62 | 20.92 | 21.50              |
|                                 |         | MID       | Q16        | 20.79 | 20.68 | 20.41 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.39 | 20.80 | 20.67 | 21.50              |
|                                 |         | LOW       | Q16        | 20.58 | 20.63 | 20.44 | 21.50              |
|                                 |         | MID       | Q16        | 20.56 | 20.68 | 20.54 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.55 | 20.54 | 20.35 | 21.50              |
| 3                               | 15      | LOW       | Q16        | 20.33 | 20.36 | 20.36 | 21.50              |
|                                 | 1       | LOW       | 64QAM      | 20.70 | 20.78 | 20.47 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.76 | 20.63 | 20.66 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.89 | 20.68 | 20.84 | 21.50              |
|                                 | 8       | LOW       | 64QAM      | 20.58 | 20.53 | 20.52 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.68 | 20.50 | 20.38 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.48 | 20.52 | 20.31 | 21.50              |
|                                 | 15      | LOW       | 64QAM      | 20.43 | 20.64 | 20.39 | 21.50              |
| Bandwidth (MHz)                 | RB Size | RB offset | Modulation | 18625 | 18900 | 19175 | Tune-up power(dBm) |
| 5                               | 1       | LOW       | QPSK       | 20.22 | 20.33 | 20.27 | 21.50              |
|                                 |         | MID       | QPSK       | 20.41 | 20.50 | 20.55 | 21.50              |
|                                 |         | HIGH      | QPSK       | 20.22 | 20.24 | 20.22 | 21.50              |
|                                 | 12      | LOW       | QPSK       | 20.46 | 20.49 | 20.68 | 21.50              |
|                                 |         | MID       | QPSK       | 20.65 | 20.48 | 20.48 | 21.50              |
|                                 |         | HIGH      | QPSK       | 20.50 | 20.57 | 20.49 | 21.50              |
|                                 | 25      | LOW       | QPSK       | 20.25 | 20.50 | 20.48 | 21.50              |
|                                 | 5       | LOW       | Q16        | 20.38 | 20.68 | 20.64 | 21.50              |
|                                 |         | MID       | Q16        | 20.71 | 20.36 | 20.39 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.46 | 20.75 | 20.56 | 21.50              |
|                                 |         | LOW       | Q16        | 20.84 | 20.58 | 20.35 | 21.50              |
|                                 |         | MID       | Q16        | 20.57 | 20.69 | 20.60 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.47 | 20.44 | 20.24 | 21.50              |
| 5                               | 25      | LOW       | Q16        | 20.24 | 20.43 | 20.47 | 21.50              |
|                                 | 1       | LOW       | 64QAM      | 20.71 | 20.77 | 20.57 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.78 | 20.66 | 20.61 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.83 | 20.61 | 20.64 | 21.50              |
|                                 | 12      | LOW       | 64QAM      | 20.38 | 20.53 | 20.21 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.79 | 20.72 | 20.53 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.50 | 20.68 | 20.38 | 21.50              |
|                                 | 25      | LOW       | 64QAM      | 20.59 | 20.38 | 20.22 | 21.50              |

| LTE B2-Full Power -Ant.6 (ENDC) |         |           |            |       |       |       |                    |
|---------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                 | RB Size | RB offset | Modulation | 18650 | 18900 | 19150 | Tune-up power(dBm) |
| 10                              | 1       | LOW       | QPSK       | 20.07 | 20.46 | 20.40 | 21.50              |
|                                 |         | MID       | QPSK       | 20.16 | 20.64 | 20.57 | 21.50              |
|                                 |         | HIGH      | QPSK       | 20.31 | 20.54 | 20.18 | 21.50              |
|                                 | 25      | LOW       | QPSK       | 20.37 | 20.35 | 20.71 | 21.50              |
|                                 |         | MID       | QPSK       | 20.70 | 20.41 | 20.55 | 21.50              |
|                                 |         | HIGH      | QPSK       | 20.42 | 20.71 | 20.63 | 21.50              |
|                                 | 50      | LOW       | QPSK       | 20.26 | 20.59 | 20.33 | 21.50              |
| 10                              | 1       | LOW       | Q16        | 20.53 | 20.54 | 20.57 | 21.50              |
|                                 |         | MID       | Q16        | 20.64 | 20.59 | 20.42 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.48 | 20.69 | 20.75 | 21.50              |
|                                 | 25      | LOW       | Q16        | 20.58 | 20.58 | 20.48 | 21.50              |
|                                 |         | MID       | Q16        | 20.64 | 20.52 | 20.82 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.49 | 20.58 | 20.57 | 21.50              |
|                                 | 50      | LOW       | Q16        | 20.24 | 20.47 | 20.16 | 21.50              |
| 10                              | 1       | LOW       | 64QAM      | 20.62 | 20.82 | 20.57 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.83 | 20.86 | 20.60 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 21.02 | 20.75 | 20.67 | 21.50              |
|                                 | 25      | LOW       | 64QAM      | 20.63 | 20.47 | 20.42 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.71 | 20.58 | 20.33 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.58 | 20.49 | 20.20 | 21.50              |
|                                 | 50      | LOW       | 64QAM      | 20.31 | 20.28 | 20.52 | 21.50              |
| Bandwidth (MHz)                 | RB Size | RB offset | Modulation | 18675 | 18900 | 19125 | Tune-up power(dBm) |
| 15                              | 1       | LOW       | QPSK       | 20.36 | 20.50 | 20.22 | 21.50              |
|                                 |         | MID       | QPSK       | 20.36 | 20.44 | 20.30 | 21.50              |
|                                 |         | HIGH      | QPSK       | 20.34 | 20.42 | 20.27 | 21.50              |
|                                 | 36      | LOW       | QPSK       | 20.32 | 20.61 | 20.61 | 21.50              |
|                                 |         | MID       | QPSK       | 20.57 | 20.36 | 20.54 | 21.50              |
|                                 |         | HIGH      | QPSK       | 20.41 | 20.47 | 20.82 | 21.50              |
|                                 | 75      | LOW       | QPSK       | 20.28 | 20.31 | 20.50 | 21.50              |
| 15                              | 1       | LOW       | Q16        | 20.34 | 20.64 | 20.77 | 21.50              |
|                                 |         | MID       | Q16        | 20.68 | 20.58 | 20.49 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.23 | 20.63 | 20.63 | 21.50              |
|                                 | 36      | LOW       | Q16        | 20.89 | 20.41 | 20.43 | 21.50              |
|                                 |         | MID       | Q16        | 20.70 | 20.74 | 20.70 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.64 | 20.69 | 20.61 | 21.50              |
|                                 | 75      | LOW       | Q16        | 20.42 | 20.53 | 20.52 | 21.50              |
| 15                              | 1       | LOW       | 64QAM      | 20.51 | 20.65 | 20.70 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.79 | 20.51 | 20.69 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.78 | 20.72 | 20.63 | 21.50              |
|                                 | 36      | LOW       | 64QAM      | 20.44 | 20.70 | 20.43 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.79 | 20.46 | 20.61 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.48 | 20.53 | 20.67 | 21.50              |
|                                 | 75      | LOW       | 64QAM      | 20.46 | 20.57 | 20.24 | 21.50              |
| Bandwidth (MHz)                 | RB Size | RB offset | Modulation | 18700 | 18900 | 19100 | Tune-up power(dBm) |
| 20                              | 1       | LOW       | QPSK       | 20.24 | 20.44 | 20.39 | 21.50              |
|                                 |         | MID       | QPSK       | 20.25 | 20.48 | 20.48 | 21.50              |
|                                 |         | HIGH      | QPSK       | 20.35 | 20.41 | 20.27 | 21.50              |
|                                 | 50      | LOW       | QPSK       | 20.34 | 20.39 | 20.59 | 21.50              |
|                                 |         | MID       | QPSK       | 20.64 | 20.45 | 20.61 | 21.50              |
|                                 |         | HIGH      | QPSK       | 20.53 | 20.65 | 20.50 | 21.50              |
|                                 | 100     | LOW       | QPSK       | 20.29 | 20.47 | 20.53 | 21.50              |
| 20                              | 1       | LOW       | Q16        | 20.37 | 20.66 | 20.79 | 21.50              |
|                                 |         | MID       | Q16        | 20.70 | 20.52 | 20.40 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.37 | 20.67 | 20.69 | 21.50              |
|                                 | 50      | LOW       | Q16        | 20.76 | 20.59 | 20.44 | 21.50              |
|                                 |         | MID       | Q16        | 20.49 | 20.66 | 20.61 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.46 | 20.65 | 20.35 | 21.50              |
|                                 | 100     | LOW       | Q16        | 20.38 | 20.39 | 20.33 | 21.50              |
| 20                              | 1       | LOW       | 64QAM      | 20.62 | 20.70 | 20.66 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.84 | 20.73 | 20.70 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.70 | 20.71 | 20.52 | 21.50              |
|                                 | 50      | LOW       | 64QAM      | 20.65 | 20.61 | 20.40 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.73 | 20.70 | 20.51 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.38 | 20.64 | 20.45 | 21.50              |
|                                 | 100     | LOW       | 64QAM      | 20.64 | 20.34 | 20.44 | 21.50              |

## 8.4.2 LTE Band4 Output Power

| LTE B4-Full Power -Ant.2 |         |           |            |       |       |       |                    |
|--------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 19957 | 20175 | 20393 | Tune-up power(dBm) |
| 1.4                      | 1       | LOW       | QPSK       | 23.43 | 23.27 | 23.37 | 24.50              |
|                          |         | MID       | QPSK       | 23.20 | 23.27 | 23.12 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.38 | 23.29 | 23.38 | 24.50              |
|                          | 3       | LOW       | QPSK       | 23.28 | 23.49 | 23.39 | 24.50              |
|                          |         | MID       | QPSK       | 23.24 | 23.42 | 23.39 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.48 | 23.44 | 23.48 | 24.50              |
|                          | 6       | LOW       | QPSK       | 22.45 | 22.25 | 22.26 | 23.50              |
| 1.4                      | 1       | LOW       | Q16        | 23.08 | 22.70 | 22.92 | 23.50              |
|                          |         | MID       | Q16        | 22.94 | 22.88 | 22.71 | 23.50              |
|                          |         | HIGH      | Q16        | 22.83 | 22.89 | 22.90 | 23.50              |
|                          | 3       | LOW       | Q16        | 22.82 | 22.24 | 22.74 | 23.50              |
|                          |         | MID       | Q16        | 22.94 | 22.74 | 22.76 | 23.50              |
|                          |         | HIGH      | Q16        | 23.08 | 22.74 | 22.86 | 23.50              |
|                          | 6       | LOW       | Q16        | 21.60 | 21.49 | 21.23 | 22.50              |
| 1.4                      | 1       | LOW       | 64QAM      | 22.12 | 21.84 | 21.88 | 22.50              |
|                          |         | MID       | 64QAM      | 21.85 | 22.00 | 21.64 | 22.50              |
|                          |         | HIGH      | 64QAM      | 21.85 | 22.00 | 21.85 | 22.50              |
|                          | 3       | LOW       | 64QAM      | 21.89 | 21.35 | 21.64 | 22.50              |
|                          |         | MID       | 64QAM      | 22.04 | 21.59 | 21.80 | 22.50              |
|                          |         | HIGH      | 64QAM      | 22.03 | 21.79 | 21.87 | 22.50              |
|                          | 6       | LOW       | 64QAM      | 20.55 | 20.47 | 20.13 | 21.50              |
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 19965 | 20175 | 20385 | Tune-up power(dBm) |
| 3                        | 1       | LOW       | QPSK       | 23.31 | 23.34 | 23.19 | 24.50              |
|                          |         | MID       | QPSK       | 23.32 | 23.37 | 23.17 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.40 | 23.26 | 23.38 | 24.50              |
|                          | 8       | LOW       | QPSK       | 22.26 | 22.41 | 22.36 | 23.50              |
|                          |         | MID       | QPSK       | 22.34 | 22.30 | 22.32 | 23.50              |
|                          |         | HIGH      | QPSK       | 22.59 | 22.28 | 22.48 | 23.50              |
|                          | 15      | LOW       | QPSK       | 22.51 | 22.39 | 22.31 | 23.50              |
| 3                        | 1       | LOW       | Q16        | 22.88 | 22.99 | 22.67 | 23.50              |
|                          |         | MID       | Q16        | 22.99 | 22.96 | 22.74 | 23.50              |
|                          |         | HIGH      | Q16        | 22.95 | 22.87 | 22.64 | 23.50              |
|                          | 8       | LOW       | Q16        | 21.34 | 21.45 | 21.42 | 22.50              |
|                          |         | MID       | Q16        | 21.46 | 21.32 | 21.35 | 22.50              |
|                          |         | HIGH      | Q16        | 21.52 | 21.36 | 21.48 | 22.50              |
|                          | 15      | LOW       | Q16        | 21.45 | 21.38 | 21.28 | 22.50              |
| 3                        | 1       | LOW       | 64QAM      | 22.08 | 21.91 | 21.65 | 22.50              |
|                          |         | MID       | 64QAM      | 21.68 | 21.95 | 21.85 | 22.50              |
|                          |         | HIGH      | 64QAM      | 21.95 | 22.04 | 21.95 | 22.50              |
|                          | 8       | LOW       | 64QAM      | 20.41 | 20.36 | 20.32 | 21.50              |
|                          |         | MID       | 64QAM      | 20.65 | 20.41 | 20.49 | 21.50              |
|                          |         | HIGH      | 64QAM      | 20.49 | 20.36 | 20.65 | 21.50              |
|                          | 15      | LOW       | 64QAM      | 20.61 | 20.52 | 20.22 | 21.50              |
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 19975 | 20175 | 20375 | Tune-up power(dBm) |
| 5                        | 1       | LOW       | QPSK       | 23.43 | 23.22 | 23.35 | 24.50              |
|                          |         | MID       | QPSK       | 23.23 | 23.43 | 23.22 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.48 | 23.53 | 23.36 | 24.50              |
|                          | 12      | LOW       | QPSK       | 22.34 | 22.30 | 22.42 | 23.50              |
|                          |         | MID       | QPSK       | 22.38 | 22.30 | 22.39 | 23.50              |
|                          |         | HIGH      | QPSK       | 22.57 | 22.50 | 22.41 | 23.50              |
|                          | 25      | LOW       | QPSK       | 22.50 | 22.31 | 22.30 | 23.50              |
| 5                        | 1       | LOW       | Q16        | 23.00 | 23.00 | 22.66 | 23.50              |
|                          |         | MID       | Q16        | 22.97 | 22.92 | 22.87 | 23.50              |
|                          |         | HIGH      | Q16        | 22.81 | 22.78 | 22.76 | 23.50              |
|                          | 12      | LOW       | Q16        | 21.54 | 21.30 | 21.33 | 22.50              |
|                          |         | MID       | Q16        | 21.36 | 21.45 | 21.49 | 22.50              |
|                          |         | HIGH      | Q16        | 21.57 | 21.50 | 21.46 | 22.50              |
|                          | 25      | LOW       | Q16        | 21.55 | 21.37 | 21.47 | 22.50              |
| 5                        | 1       | LOW       | 64QAM      | 22.07 | 21.84 | 21.79 | 22.50              |
|                          |         | MID       | 64QAM      | 21.82 | 22.09 | 21.88 | 22.50              |
|                          |         | HIGH      | 64QAM      | 22.01 | 22.01 | 21.79 | 22.50              |
|                          | 12      | LOW       | 64QAM      | 20.33 | 20.57 | 20.33 | 21.50              |
|                          |         | MID       | 64QAM      | 20.51 | 20.51 | 20.48 | 21.50              |
|                          |         | HIGH      | 64QAM      | 20.24 | 20.55 | 20.59 | 21.50              |
|                          | 25      | LOW       | 64QAM      | 20.45 | 20.37 | 20.15 | 21.50              |

| LTE B4-Full Power -Ant.2 |         |           |            |       |       |       |                    |
|--------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 20000 | 20175 | 20350 | Tune-up power(dBm) |
| 10                       | 1       | LOW       | QPSK       | 23.27 | 23.39 | 23.29 | 24.50              |
|                          |         | MID       | QPSK       | 23.44 | 23.28 | 23.29 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.55 | 23.39 | 23.22 | 24.50              |
|                          | 25      | LOW       | QPSK       | 22.31 | 22.43 | 22.36 | 23.50              |
|                          |         | MID       | QPSK       | 22.28 | 22.28 | 22.43 | 23.50              |
|                          |         | HIGH      | QPSK       | 22.46 | 22.31 | 22.31 | 23.50              |
|                          | 50      | LOW       | QPSK       | 22.47 | 22.33 | 22.24 | 23.50              |
|                          | 10      | LOW       | Q16        | 22.98 | 22.74 | 22.93 | 23.50              |
|                          |         | MID       | Q16        | 22.77 | 22.95 | 22.70 | 23.50              |
|                          |         | HIGH      | Q16        | 22.85 | 23.06 | 22.65 | 23.50              |
|                          |         | LOW       | Q16        | 21.37 | 21.30 | 21.33 | 22.50              |
|                          |         | MID       | Q16        | 21.53 | 21.32 | 21.31 | 22.50              |
|                          |         | HIGH      | Q16        | 21.54 | 21.34 | 21.43 | 22.50              |
|                          | 50      | LOW       | Q16        | 21.38 | 21.48 | 21.47 | 22.50              |
| 10                       | 1       | LOW       | 64QAM      | 22.11 | 21.87 | 21.78 | 22.50              |
|                          |         | MID       | 64QAM      | 21.71 | 22.02 | 21.81 | 22.50              |
|                          |         | HIGH      | 64QAM      | 22.14 | 22.02 | 21.73 | 22.50              |
|                          | 25      | LOW       | 64QAM      | 20.47 | 20.36 | 20.41 | 21.50              |
|                          |         | MID       | 64QAM      | 20.53 | 20.44 | 20.38 | 21.50              |
|                          |         | HIGH      | 64QAM      | 20.49 | 20.34 | 20.49 | 21.50              |
|                          | 50      | LOW       | 64QAM      | 20.65 | 20.44 | 20.28 | 21.50              |
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 20025 | 20175 | 20325 | Tune-up power(dBm) |
| 15                       | 1       | LOW       | QPSK       | 23.30 | 23.33 | 23.26 | 24.50              |
|                          |         | MID       | QPSK       | 23.26 | 23.19 | 23.24 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.38 | 23.26 | 23.49 | 24.50              |
|                          | 36      | LOW       | QPSK       | 22.39 | 22.27 | 22.47 | 23.50              |
|                          |         | MID       | QPSK       | 22.32 | 22.39 | 22.51 | 23.50              |
|                          |         | HIGH      | QPSK       | 22.49 | 22.34 | 22.29 | 23.50              |
|                          | 75      | LOW       | QPSK       | 22.54 | 22.31 | 22.47 | 23.50              |
|                          | 15      | LOW       | Q16        | 22.85 | 22.96 | 22.78 | 23.50              |
|                          |         | MID       | Q16        | 23.03 | 22.87 | 22.88 | 23.50              |
|                          |         | HIGH      | Q16        | 23.03 | 23.04 | 22.81 | 23.50              |
|                          |         | LOW       | Q16        | 21.44 | 21.53 | 21.44 | 22.50              |
|                          |         | MID       | Q16        | 21.51 | 21.48 | 21.33 | 22.50              |
|                          |         | HIGH      | Q16        | 21.47 | 21.47 | 21.40 | 22.50              |
|                          | 75      | LOW       | Q16        | 21.65 | 21.25 | 21.45 | 22.50              |
| 15                       | 1       | LOW       | 64QAM      | 21.98 | 21.98 | 21.69 | 22.50              |
|                          |         | MID       | 64QAM      | 21.73 | 22.08 | 21.66 | 22.50              |
|                          |         | HIGH      | 64QAM      | 22.03 | 21.90 | 21.92 | 22.50              |
|                          | 36      | LOW       | 64QAM      | 20.26 | 20.41 | 20.27 | 21.50              |
|                          |         | MID       | 64QAM      | 20.66 | 20.36 | 20.29 | 21.50              |
|                          |         | HIGH      | 64QAM      | 20.24 | 20.39 | 20.52 | 21.50              |
|                          | 75      | LOW       | 64QAM      | 20.52 | 20.49 | 20.40 | 21.50              |
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 20050 | 20175 | 20300 | Tune-up power(dBm) |
| 20                       | 1       | LOW       | QPSK       | 23.34 | 23.36 | 23.33 | 24.50              |
|                          |         | MID       | QPSK       | 23.31 | 23.32 | 23.27 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.39 | 23.42 | 23.35 | 24.50              |
|                          | 50      | LOW       | QPSK       | 22.35 | 22.35 | 22.36 | 23.50              |
|                          |         | MID       | QPSK       | 22.43 | 22.37 | 22.37 | 23.50              |
|                          |         | HIGH      | QPSK       | 22.44 | 22.45 | 22.43 | 23.50              |
|                          | 100     | LOW       | QPSK       | 22.45 | 22.31 | 22.37 | 23.50              |
|                          | 20      | LOW       | Q16        | 22.96 | 22.85 | 22.78 | 23.50              |
|                          |         | MID       | Q16        | 22.92 | 22.85 | 22.75 | 23.50              |
|                          |         | HIGH      | Q16        | 22.95 | 22.91 | 22.79 | 23.50              |
|                          |         | LOW       | Q16        | 21.40 | 21.39 | 21.34 | 22.50              |
|                          |         | MID       | Q16        | 21.46 | 21.38 | 21.36 | 22.50              |
|                          |         | HIGH      | Q16        | 21.47 | 21.48 | 21.44 | 22.50              |
|                          | 100     | LOW       | Q16        | 21.50 | 21.38 | 21.38 | 22.50              |
| 20                       | 1       | LOW       | 64QAM      | 21.97 | 21.98 | 21.74 | 22.50              |
|                          |         | MID       | 64QAM      | 21.81 | 22.00 | 21.80 | 22.50              |
|                          |         | HIGH      | 64QAM      | 22.04 | 21.91 | 21.82 | 22.50              |
|                          | 50      | LOW       | 64QAM      | 20.34 | 20.49 | 20.34 | 21.50              |
|                          |         | MID       | 64QAM      | 20.53 | 20.51 | 20.35 | 21.50              |
|                          |         | HIGH      | 64QAM      | 20.36 | 20.44 | 20.56 | 21.50              |
|                          | 100     | LOW       | 64QAM      | 20.55 | 20.41 | 20.29 | 21.50              |

### 8.4.3 LTE Band5 Output Power

| LTE B5-Full Power -Ant.0 |         |           |            |       |       |       |                    |
|--------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 20407 | 20525 | 20643 | Tune-up power(dBm) |
| 1.4                      | 1       | LOW       | QPSK       | 23.05 | 22.92 | 23.11 | 24.50              |
|                          |         | MID       | QPSK       | 23.12 | 22.91 | 22.95 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.19 | 23.00 | 23.01 | 24.50              |
|                          | 3       | LOW       | QPSK       | 23.17 | 22.91 | 22.97 | 24.50              |
|                          |         | MID       | QPSK       | 23.11 | 22.94 | 23.04 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.29 | 22.91 | 23.07 | 24.50              |
|                          | 6       | LOW       | QPSK       | 22.35 | 22.03 | 22.26 | 23.50              |
| 1.4                      | 1       | LOW       | Q16        | 22.10 | 22.58 | 22.26 | 23.50              |
|                          |         | MID       | Q16        | 22.08 | 22.48 | 22.02 | 23.50              |
|                          |         | HIGH      | Q16        | 22.08 | 22.66 | 21.96 | 23.50              |
|                          | 3       | LOW       | Q16        | 22.00 | 22.45 | 22.05 | 23.50              |
|                          |         | MID       | Q16        | 22.04 | 22.65 | 22.10 | 23.50              |
|                          |         | HIGH      | Q16        | 22.16 | 22.59 | 22.04 | 23.50              |
|                          | 6       | LOW       | Q16        | 21.26 | 21.19 | 21.07 | 22.50              |
| 1.4                      | 1       | LOW       | 64QAM      | 21.21 | 21.48 | 21.11 | 22.50              |
|                          |         | MID       | 64QAM      | 20.95 | 21.35 | 20.91 | 22.50              |
|                          |         | HIGH      | 64QAM      | 20.96 | 21.59 | 20.93 | 22.50              |
|                          | 3       | LOW       | 64QAM      | 21.15 | 21.38 | 21.19 | 22.50              |
|                          |         | MID       | 64QAM      | 21.02 | 21.54 | 21.04 | 22.50              |
|                          |         | HIGH      | 64QAM      | 21.13 | 21.74 | 21.05 | 22.50              |
|                          | 6       | LOW       | 64QAM      | 20.17 | 20.18 | 20.12 | 21.50              |
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 20415 | 20525 | 20635 | Tune-up power(dBm) |
| 3                        | 1       | LOW       | QPSK       | 23.26 | 23.03 | 23.12 | 24.50              |
|                          |         | MID       | QPSK       | 23.23 | 22.90 | 22.96 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.17 | 23.03 | 22.94 | 24.50              |
|                          | 8       | LOW       | QPSK       | 22.25 | 22.25 | 21.97 | 23.50              |
|                          |         | MID       | QPSK       | 22.25 | 22.13 | 22.27 | 23.50              |
|                          |         | HIGH      | QPSK       | 22.15 | 22.27 | 22.21 | 23.50              |
|                          | 15      | LOW       | QPSK       | 22.17 | 21.99 | 22.11 | 23.50              |
| 3                        | 1       | LOW       | Q16        | 22.02 | 22.62 | 22.25 | 23.50              |
|                          |         | MID       | Q16        | 22.23 | 22.54 | 22.14 | 23.50              |
|                          |         | HIGH      | Q16        | 22.23 | 22.71 | 21.95 | 23.50              |
|                          | 8       | LOW       | Q16        | 21.26 | 21.31 | 21.06 | 22.50              |
|                          |         | MID       | Q16        | 21.32 | 21.22 | 21.12 | 22.50              |
|                          |         | HIGH      | Q16        | 21.48 | 21.25 | 21.08 | 22.50              |
|                          | 15      | LOW       | Q16        | 21.36 | 21.16 | 21.16 | 22.50              |
| 3                        | 1       | LOW       | 64QAM      | 21.05 | 21.52 | 21.19 | 22.50              |
|                          |         | MID       | 64QAM      | 21.12 | 21.44 | 21.19 | 22.50              |
|                          |         | HIGH      | 64QAM      | 21.18 | 21.50 | 20.99 | 22.50              |
|                          | 8       | LOW       | 64QAM      | 20.07 | 20.14 | 20.03 | 21.50              |
|                          |         | MID       | 64QAM      | 20.42 | 20.05 | 20.27 | 21.50              |
|                          |         | HIGH      | 64QAM      | 20.18 | 20.31 | 20.13 | 21.50              |
|                          | 15      | LOW       | 64QAM      | 20.47 | 20.00 | 20.36 | 21.50              |



| LTE B5-Full Power -Ant.0 |         |           |            |       |       |       |                    |
|--------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 20425 | 20525 | 20625 | Tune-up power(dBm) |
| 5                        | 1       | LOW       | QPSK       | 23.24 | 23.17 | 23.08 | 24.50              |
|                          |         | MID       | QPSK       | 22.98 | 22.96 | 23.07 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.11 | 23.15 | 22.96 | 24.50              |
|                          | 12      | LOW       | QPSK       | 22.08 | 22.19 | 22.15 | 23.50              |
|                          |         | MID       | QPSK       | 22.33 | 22.19 | 22.31 | 23.50              |
|                          |         | HIGH      | QPSK       | 22.14 | 22.31 | 21.99 | 23.50              |
|                          | 25      | LOW       | QPSK       | 22.21 | 22.29 | 22.08 | 23.50              |
| 5                        | 1       | LOW       | Q16        | 22.10 | 22.56 | 22.21 | 23.50              |
|                          |         | MID       | Q16        | 22.21 | 22.61 | 22.14 | 23.50              |
|                          |         | HIGH      | Q16        | 22.09 | 22.67 | 21.89 | 23.50              |
|                          | 12      | LOW       | Q16        | 21.22 | 21.14 | 21.28 | 22.50              |
|                          |         | MID       | Q16        | 21.20 | 21.15 | 21.11 | 22.50              |
|                          |         | HIGH      | Q16        | 21.47 | 21.36 | 21.21 | 22.50              |
|                          | 25      | LOW       | Q16        | 21.20 | 21.11 | 21.30 | 22.50              |
| 5                        | 1       | LOW       | 64QAM      | 20.98 | 21.75 | 21.06 | 22.50              |
|                          |         | MID       | 64QAM      | 21.14 | 21.49 | 21.01 | 22.50              |
|                          |         | HIGH      | 64QAM      | 21.24 | 21.50 | 20.95 | 22.50              |
|                          | 12      | LOW       | 64QAM      | 20.08 | 20.19 | 20.12 | 21.50              |
|                          |         | MID       | 64QAM      | 20.25 | 20.17 | 20.44 | 21.50              |
|                          |         | HIGH      | 64QAM      | 20.26 | 20.22 | 20.09 | 21.50              |
|                          | 25      | LOW       | 64QAM      | 20.48 | 19.92 | 20.14 | 21.50              |
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 20450 | 20525 | 20600 | Tune-up power(dBm) |
| 10                       | 1       | LOW       | QPSK       | 23.08 | 23.04 | 23.05 | 24.50              |
|                          |         | MID       | QPSK       | 23.01 | 23.04 | 23.05 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.04 | 23.09 | 22.99 | 24.50              |
|                          | 25      | LOW       | QPSK       | 22.17 | 22.14 | 22.08 | 23.50              |
|                          |         | MID       | QPSK       | 22.29 | 22.16 | 22.17 | 23.50              |
|                          |         | HIGH      | QPSK       | 22.25 | 22.29 | 22.11 | 23.50              |
|                          | 50      | LOW       | QPSK       | 22.28 | 22.14 | 22.11 | 23.50              |
| 10                       | 1       | LOW       | Q16        | 22.10 | 22.55 | 22.14 | 23.50              |
|                          |         | MID       | Q16        | 22.09 | 22.59 | 22.13 | 23.50              |
|                          |         | HIGH      | Q16        | 22.14 | 22.57 | 21.99 | 23.50              |
|                          | 25      | LOW       | Q16        | 21.19 | 21.19 | 21.19 | 22.50              |
|                          |         | MID       | Q16        | 21.33 | 21.23 | 21.24 | 22.50              |
|                          |         | HIGH      | Q16        | 21.34 | 21.25 | 21.22 | 22.50              |
|                          | 50      | LOW       | Q16        | 21.25 | 21.18 | 21.16 | 22.50              |
| 10                       | 1       | LOW       | 64QAM      | 20.97 | 21.63 | 21.19 | 22.50              |
|                          |         | MID       | 64QAM      | 20.99 | 21.50 | 21.11 | 22.50              |
|                          |         | HIGH      | 64QAM      | 21.27 | 21.46 | 20.85 | 22.50              |
|                          | 25      | LOW       | 64QAM      | 20.17 | 20.16 | 20.10 | 21.50              |
|                          |         | MID       | 64QAM      | 20.39 | 20.16 | 20.35 | 21.50              |
|                          |         | HIGH      | 64QAM      | 20.33 | 20.35 | 20.21 | 21.50              |
|                          | 50      | LOW       | 64QAM      | 20.37 | 20.06 | 20.28 | 21.50              |

### 8.4.3 LTE Band5 Output Power

| LTE B5-Full Power -Ant.0(ENDC) |         |           |            |       |       |       |                    |
|--------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth                      | RB Size | RB offset | Modulation | 20407 | 20525 | 20643 | Tune-up power(dBm) |
| 1.4                            | 1       | LOW       | QPSK       | 23.05 | 22.92 | 23.11 | 24.50              |
|                                |         | MID       | QPSK       | 23.12 | 22.91 | 22.95 | 24.50              |
|                                |         | HIGH      | QPSK       | 23.19 | 23.00 | 23.01 | 24.50              |
|                                | 3       | LOW       | QPSK       | 23.17 | 22.91 | 22.97 | 24.50              |
|                                |         | MID       | QPSK       | 23.11 | 22.94 | 23.04 | 24.50              |
|                                |         | HIGH      | QPSK       | 23.29 | 22.91 | 23.07 | 24.50              |
|                                | 6       | LOW       | QPSK       | 22.35 | 22.03 | 22.26 | 23.50              |
|                                | 1.4     | 1         | LOW        | Q16   | 22.10 | 22.58 | 22.26              |
|                                |         |           | MID        | Q16   | 22.08 | 22.48 | 22.02              |
|                                |         |           | HIGH       | Q16   | 22.08 | 22.66 | 21.96              |
|                                |         | 3         | LOW        | Q16   | 22.00 | 22.45 | 22.05              |
|                                |         |           | MID        | Q16   | 22.04 | 22.65 | 22.10              |
|                                |         |           | HIGH       | Q16   | 22.16 | 22.59 | 22.04              |
|                                | 6       | LOW       | Q16        | 21.26 | 21.19 | 21.07 | 22.50              |
| 1.4                            | 1       | LOW       | 64QAM      | 21.21 | 21.48 | 21.11 | 22.50              |
|                                |         | MID       | 64QAM      | 20.95 | 21.35 | 20.91 | 22.50              |
|                                |         | HIGH      | 64QAM      | 20.96 | 21.59 | 20.93 | 22.50              |
|                                | 3       | LOW       | 64QAM      | 21.15 | 21.38 | 21.19 | 22.50              |
|                                |         | MID       | 64QAM      | 21.02 | 21.54 | 21.04 | 22.50              |
|                                |         | HIGH      | 64QAM      | 21.13 | 21.74 | 21.05 | 22.50              |
|                                | 6       | LOW       | 64QAM      | 20.17 | 20.18 | 20.12 | 21.50              |
| Bandwidth                      | RB Size | RB offset | Modulation | 20415 | 20525 | 20635 | Tune-up power(dBm) |
| 3                              | 1       | LOW       | QPSK       | 23.26 | 23.03 | 23.12 | 24.50              |
|                                |         | MID       | QPSK       | 23.23 | 22.90 | 22.96 | 24.50              |
|                                |         | HIGH      | QPSK       | 23.17 | 23.03 | 22.94 | 24.50              |
|                                | 8       | LOW       | QPSK       | 22.25 | 22.25 | 21.97 | 23.50              |
|                                |         | MID       | QPSK       | 22.25 | 22.13 | 22.27 | 23.50              |
|                                |         | HIGH      | QPSK       | 22.15 | 22.27 | 22.21 | 23.50              |
|                                | 15      | LOW       | QPSK       | 22.17 | 21.99 | 22.11 | 23.50              |
|                                | 3       | 1         | LOW        | Q16   | 22.02 | 22.62 | 22.25              |
|                                |         |           | MID        | Q16   | 22.23 | 22.54 | 22.14              |
|                                |         |           | HIGH       | Q16   | 22.23 | 22.71 | 21.95              |
|                                |         | 8         | LOW        | Q16   | 21.26 | 21.31 | 21.06              |
|                                |         |           | MID        | Q16   | 21.32 | 21.22 | 21.12              |
|                                |         |           | HIGH       | Q16   | 21.48 | 21.25 | 21.08              |
| 3                              | 1       | LOW       | Q16        | 21.36 | 21.16 | 21.16 | 22.50              |
|                                |         | LOW       | 64QAM      | 21.05 | 21.52 | 21.19 | 22.50              |
|                                |         | MID       | 64QAM      | 21.12 | 21.44 | 21.19 | 22.50              |
|                                | 8       | LOW       | 64QAM      | 21.18 | 21.50 | 20.99 | 22.50              |
|                                |         | MID       | 64QAM      | 20.07 | 20.14 | 20.03 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.42 | 20.05 | 20.27 | 21.50              |
|                                | 15      | LOW       | 64QAM      | 20.18 | 20.31 | 20.13 | 21.50              |
|                                | 15      | LOW       | 64QAM      | 20.47 | 20.00 | 20.36 | 21.50              |

| LTE B5-Full Power -Ant.0(ENDC) |         |           |            |       |       |       |                    |
|--------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 20425 | 20525 | 20625 | Tune-up power(dBm) |
| 5                              | 1       | LOW       | QPSK       | 23.24 | 23.17 | 23.08 | 24.50              |
|                                |         | MID       | QPSK       | 22.98 | 22.96 | 23.07 | 24.50              |
|                                |         | HIGH      | QPSK       | 23.11 | 23.15 | 22.96 | 24.50              |
|                                | 12      | LOW       | QPSK       | 22.08 | 22.19 | 22.15 | 23.50              |
|                                |         | MID       | QPSK       | 22.33 | 22.19 | 22.31 | 23.50              |
|                                |         | HIGH      | QPSK       | 22.14 | 22.31 | 21.99 | 23.50              |
|                                | 25      | LOW       | QPSK       | 22.21 | 22.29 | 22.08 | 23.50              |
| 5                              | 1       | LOW       | Q16        | 22.10 | 22.56 | 22.21 | 23.50              |
|                                |         | MID       | Q16        | 22.21 | 22.61 | 22.14 | 23.50              |
|                                |         | HIGH      | Q16        | 22.09 | 22.67 | 21.89 | 23.50              |
|                                | 12      | LOW       | Q16        | 21.22 | 21.14 | 21.28 | 22.50              |
|                                |         | MID       | Q16        | 21.20 | 21.15 | 21.11 | 22.50              |
|                                |         | HIGH      | Q16        | 21.47 | 21.36 | 21.21 | 22.50              |
|                                | 25      | LOW       | Q16        | 21.20 | 21.11 | 21.30 | 22.50              |
| 5                              | 1       | LOW       | 64QAM      | 20.98 | 21.75 | 21.06 | 22.50              |
|                                |         | MID       | 64QAM      | 21.14 | 21.49 | 21.01 | 22.50              |
|                                |         | HIGH      | 64QAM      | 21.24 | 21.50 | 20.95 | 22.50              |
|                                | 12      | LOW       | 64QAM      | 20.08 | 20.19 | 20.12 | 21.50              |
|                                |         | MID       | 64QAM      | 20.25 | 20.17 | 20.44 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.26 | 20.22 | 20.09 | 21.50              |
|                                | 25      | LOW       | 64QAM      | 20.48 | 19.92 | 20.14 | 21.50              |
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 20450 | 20525 | 20600 | Tune-up power(dBm) |
| 10                             | 1       | LOW       | QPSK       | 23.08 | 23.04 | 23.05 | 24.50              |
|                                |         | MID       | QPSK       | 23.01 | 23.04 | 23.05 | 24.50              |
|                                |         | HIGH      | QPSK       | 23.04 | 23.09 | 22.99 | 24.50              |
|                                | 25      | LOW       | QPSK       | 22.17 | 22.14 | 22.08 | 23.50              |
|                                |         | MID       | QPSK       | 22.29 | 22.16 | 22.17 | 23.50              |
|                                |         | HIGH      | QPSK       | 22.25 | 22.29 | 22.11 | 23.50              |
|                                | 50      | LOW       | QPSK       | 22.28 | 22.14 | 22.11 | 23.50              |
| 10                             | 1       | LOW       | Q16        | 22.10 | 22.55 | 22.14 | 23.50              |
|                                |         | MID       | Q16        | 22.09 | 22.59 | 22.13 | 23.50              |
|                                |         | HIGH      | Q16        | 22.14 | 22.57 | 21.99 | 23.50              |
|                                | 25      | LOW       | Q16        | 21.19 | 21.19 | 21.19 | 22.50              |
|                                |         | MID       | Q16        | 21.33 | 21.23 | 21.24 | 22.50              |
|                                |         | HIGH      | Q16        | 21.34 | 21.25 | 21.22 | 22.50              |
|                                | 50      | LOW       | Q16        | 21.25 | 21.18 | 21.16 | 22.50              |
| 10                             | 1       | LOW       | 64QAM      | 20.97 | 21.63 | 21.19 | 22.50              |
|                                |         | MID       | 64QAM      | 20.99 | 21.50 | 21.11 | 22.50              |
|                                |         | HIGH      | 64QAM      | 21.27 | 21.46 | 20.85 | 22.50              |
|                                | 25      | LOW       | 64QAM      | 20.17 | 20.16 | 20.10 | 21.50              |
|                                |         | MID       | 64QAM      | 20.39 | 20.16 | 20.35 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.33 | 20.35 | 20.21 | 21.50              |
|                                | 50      | LOW       | 64QAM      | 20.37 | 20.06 | 20.28 | 21.50              |

### 8.4.3 LTE Band5 Output Power

| LTE B5-Full Power -Ant.0(ENDC) |         |           |            |       |       |       |                    |
|--------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth                      | RB Size | RB offset | Modulation | 20407 | 20525 | 20643 | Tune-up power(dBm) |
| 1.4                            | 1       | LOW       | QPSK       | 19.96 | 19.96 | 20.03 | 21.50              |
|                                |         | MID       | QPSK       | 19.99 | 19.93 | 20.02 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.09 | 20.02 | 19.94 | 21.50              |
|                                | 3       | LOW       | QPSK       | 20.21 | 19.97 | 19.97 | 21.50              |
|                                |         | MID       | QPSK       | 20.01 | 19.91 | 20.00 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.17 | 19.93 | 20.07 | 21.50              |
|                                | 6       | LOW       | QPSK       | 20.28 | 20.04 | 20.13 | 21.50              |
|                                | 1.4     | 1         | LOW        | Q16   | 20.10 | 20.59 | 20.20              |
|                                |         |           | MID        | Q16   | 19.96 | 20.47 | 19.92              |
|                                |         |           | HIGH       | Q16   | 20.15 | 20.56 | 19.91              |
|                                |         | 3         | LOW        | Q16   | 19.94 | 20.51 | 19.97              |
|                                |         |           | MID        | Q16   | 19.98 | 20.64 | 19.97              |
|                                |         |           | HIGH       | Q16   | 20.10 | 20.48 | 19.98              |
|                                |         | 6         | LOW        | Q16   | 20.27 | 20.19 | 20.01              |
| 1.4                            | 1       | LOW       | 64QAM      | 20.12 | 20.38 | 20.08 | 21.50              |
|                                |         | MID       | 64QAM      | 19.89 | 20.42 | 19.93 | 21.50              |
|                                |         | HIGH      | 64QAM      | 19.92 | 20.47 | 19.79 | 21.50              |
|                                | 3       | LOW       | 64QAM      | 20.10 | 20.44 | 20.24 | 21.50              |
|                                |         | MID       | 64QAM      | 20.08 | 20.42 | 20.10 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.21 | 20.71 | 20.04 | 21.50              |
|                                | 6       | LOW       | 64QAM      | 20.03 | 20.25 | 20.06 | 21.50              |
| Bandwidth                      | RB Size | RB offset | Modulation | 20415 | 20525 | 20635 | Tune-up power(dBm) |
| 3                              | 1       | LOW       | QPSK       | 20.16 | 20.00 | 20.00 | 21.50              |
|                                |         | MID       | QPSK       | 20.19 | 19.79 | 19.86 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.21 | 20.07 | 19.95 | 21.50              |
|                                | 8       | LOW       | QPSK       | 20.10 | 20.31 | 19.96 | 21.50              |
|                                |         | MID       | QPSK       | 20.28 | 20.17 | 20.14 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.14 | 20.17 | 20.16 | 21.50              |
|                                | 15      | LOW       | QPSK       | 20.15 | 19.85 | 20.01 | 21.50              |
|                                | 3       | 1         | LOW        | Q16   | 19.95 | 20.52 | 20.27              |
|                                |         |           | MID        | Q16   | 20.21 | 20.52 | 20.20              |
|                                |         |           | HIGH       | Q16   | 20.30 | 20.63 | 19.98              |
|                                |         | 8         | LOW        | Q16   | 20.22 | 20.31 | 19.94              |
|                                |         |           | MID        | Q16   | 20.20 | 20.15 | 20.18              |
|                                |         |           | HIGH       | Q16   | 20.44 | 20.14 | 20.03              |
| 3                              | 1       | LOW       | 64QAM      | 19.97 | 20.43 | 20.16 | 21.50              |
|                                |         | MID       | 64QAM      | 20.13 | 20.30 | 20.12 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.21 | 20.44 | 19.91 | 21.50              |
|                                | 8       | LOW       | 64QAM      | 20.07 | 20.13 | 19.92 | 21.50              |
|                                |         | MID       | 64QAM      | 20.48 | 20.03 | 20.12 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.06 | 20.38 | 20.17 | 21.50              |
|                                | 15      | LOW       | 64QAM      | 20.51 | 19.94 | 20.39 | 21.50              |

| LTE B5-Full Power -Ant.0(ENDC) |         |           |            |       |       |       |                    |
|--------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 20425 | 20525 | 20625 | Tune-up power(dBm) |
| 5                              | 1       | LOW       | QPSK       | 20.16 | 20.16 | 19.97 | 21.50              |
|                                |         | MID       | QPSK       | 19.87 | 20.01 | 20.14 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.01 | 20.19 | 19.87 | 21.50              |
|                                | 12      | LOW       | QPSK       | 19.96 | 20.13 | 20.01 | 21.50              |
|                                |         | MID       | QPSK       | 20.19 | 20.15 | 20.16 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.01 | 20.17 | 20.00 | 21.50              |
|                                | 25      | LOW       | QPSK       | 20.29 | 20.32 | 20.01 | 21.50              |
| 5                              | 1       | LOW       | Q16        | 20.11 | 20.55 | 20.09 | 21.50              |
|                                |         | MID       | Q16        | 20.27 | 20.52 | 20.08 | 21.50              |
|                                |         | HIGH      | Q16        | 19.98 | 20.74 | 19.95 | 21.50              |
|                                | 12      | LOW       | Q16        | 20.28 | 20.03 | 20.36 | 21.50              |
|                                |         | MID       | Q16        | 20.11 | 20.17 | 20.07 | 21.50              |
|                                |         | HIGH      | Q16        | 20.36 | 20.38 | 20.16 | 21.50              |
|                                | 25      | LOW       | Q16        | 20.19 | 20.02 | 20.26 | 21.50              |
| 5                              | 1       | LOW       | 64QAM      | 20.00 | 20.79 | 20.09 | 21.50              |
|                                |         | MID       | 64QAM      | 19.99 | 20.46 | 20.07 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.14 | 20.42 | 19.94 | 21.50              |
|                                | 12      | LOW       | 64QAM      | 20.06 | 20.08 | 20.04 | 21.50              |
|                                |         | MID       | 64QAM      | 20.17 | 20.07 | 20.42 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.26 | 20.20 | 20.07 | 21.50              |
|                                | 25      | LOW       | 64QAM      | 20.52 | 19.96 | 20.06 | 21.50              |
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 20450 | 20525 | 20600 | Tune-up power(dBm) |
| 10                             | 1       | LOW       | QPSK       | 20.09 | 20.08 | 19.94 | 21.50              |
|                                |         | MID       | QPSK       | 19.87 | 19.89 | 19.92 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.03 | 19.96 | 19.97 | 21.50              |
|                                | 25      | LOW       | QPSK       | 20.11 | 20.09 | 20.03 | 21.50              |
|                                |         | MID       | QPSK       | 20.14 | 20.13 | 20.17 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.33 | 20.35 | 20.10 | 21.50              |
|                                | 50      | LOW       | QPSK       | 20.22 | 20.19 | 20.02 | 21.50              |
| 10                             | 1       | LOW       | Q16        | 20.09 | 20.41 | 20.17 | 21.50              |
|                                |         | MID       | Q16        | 19.99 | 20.50 | 19.99 | 21.50              |
|                                |         | HIGH      | Q16        | 19.99 | 20.53 | 19.90 | 21.50              |
|                                | 25      | LOW       | Q16        | 20.06 | 20.17 | 20.26 | 21.50              |
|                                |         | MID       | Q16        | 20.18 | 20.31 | 20.10 | 21.50              |
|                                |         | HIGH      | Q16        | 20.23 | 20.28 | 20.08 | 21.50              |
|                                | 50      | LOW       | Q16        | 20.18 | 20.06 | 20.03 | 21.50              |
| 10                             | 1       | LOW       | 64QAM      | 20.02 | 20.54 | 20.24 | 21.50              |
|                                |         | MID       | 64QAM      | 19.86 | 20.56 | 20.18 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.23 | 20.37 | 19.85 | 21.50              |
|                                | 25      | LOW       | 64QAM      | 20.21 | 20.24 | 20.06 | 21.50              |
|                                |         | MID       | 64QAM      | 20.40 | 20.02 | 20.43 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.39 | 20.36 | 20.26 | 21.50              |
|                                | 50      | LOW       | 64QAM      | 20.34 | 19.93 | 20.36 | 21.50              |

## 8.4.4 LTE Band7 Output Power

| LTE B7-Full Power -Ant.2 |         |           |            |       |       |       |                    |
|--------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 20775 | 21100 | 21425 | Tune-up power(dBm) |
| 5                        | 1       | LOW       | QPSK       | 23.24 | 23.26 | 23.38 | 24.50              |
|                          |         | MID       | QPSK       | 23.23 | 23.46 | 23.21 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.46 | 23.45 | 23.17 | 24.50              |
|                          | 12      | LOW       | QPSK       | 22.76 | 22.61 | 22.39 | 23.50              |
|                          |         | MID       | QPSK       | 22.50 | 22.48 | 22.55 | 23.50              |
|                          |         | HIGH      | QPSK       | 22.37 | 22.52 | 22.63 | 23.50              |
|                          | 25      | LOW       | QPSK       | 22.60 | 22.54 | 22.32 | 23.50              |
| 5                        | 1       | LOW       | Q16        | 22.87 | 23.14 | 22.58 | 23.50              |
|                          |         | MID       | Q16        | 22.74 | 22.92 | 22.98 | 23.50              |
|                          |         | HIGH      | Q16        | 22.83 | 22.76 | 22.99 | 23.50              |
|                          | 12      | LOW       | Q16        | 21.58 | 21.52 | 21.62 | 22.50              |
|                          |         | MID       | Q16        | 21.66 | 21.38 | 21.37 | 22.50              |
|                          |         | HIGH      | Q16        | 21.38 | 21.40 | 21.55 | 22.50              |
|                          | 25      | LOW       | Q16        | 21.62 | 21.67 | 21.53 | 22.50              |
| 5                        | 1       | LOW       | 64QAM      | 21.77 | 22.09 | 21.64 | 22.50              |
|                          |         | MID       | 64QAM      | 21.88 | 22.10 | 21.91 | 22.50              |
|                          |         | HIGH      | 64QAM      | 21.89 | 21.82 | 22.15 | 22.50              |
|                          | 12      | LOW       | 64QAM      | 20.69 | 20.54 | 20.39 | 21.50              |
|                          |         | MID       | 64QAM      | 20.66 | 20.44 | 20.37 | 21.50              |
|                          |         | HIGH      | 64QAM      | 20.60 | 20.47 | 20.62 | 21.50              |
|                          | 25      | LOW       | 64QAM      | 20.59 | 20.49 | 20.36 | 21.50              |
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 20800 | 21100 | 21400 | Tune-up power(dBm) |
| 10                       | 1       | LOW       | QPSK       | 23.23 | 23.40 | 23.38 | 24.50              |
|                          |         | MID       | QPSK       | 23.19 | 23.35 | 23.30 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.39 | 23.45 | 23.45 | 24.50              |
|                          | 25      | LOW       | QPSK       | 22.73 | 22.44 | 22.41 | 23.50              |
|                          |         | MID       | QPSK       | 22.51 | 22.51 | 22.47 | 23.50              |
|                          |         | HIGH      | QPSK       | 22.51 | 22.46 | 22.54 | 23.50              |
| 50                       | LOW     | QPSK      | 22.40      | 22.37 | 22.43 | 23.50 |                    |
| 10                       | 1       | LOW       | Q16        | 22.81 | 23.04 | 22.86 | 23.50              |
|                          |         | MID       | Q16        | 22.79 | 22.87 | 22.99 | 23.50              |
|                          |         | HIGH      | Q16        | 22.68 | 22.87 | 23.17 | 23.50              |
|                          | 25      | LOW       | Q16        | 21.63 | 21.53 | 21.34 | 22.50              |
|                          |         | MID       | Q16        | 21.79 | 21.43 | 21.56 | 22.50              |
|                          |         | HIGH      | Q16        | 21.58 | 21.33 | 21.61 | 22.50              |
|                          | 50      | LOW       | Q16        | 21.62 | 21.53 | 21.65 | 22.50              |
| 10                       | 1       | LOW       | 64QAM      | 21.79 | 22.07 | 21.70 | 22.50              |
|                          |         | MID       | 64QAM      | 21.77 | 21.94 | 21.99 | 22.50              |
|                          |         | HIGH      | 64QAM      | 21.93 | 21.86 | 22.14 | 22.50              |
|                          | 25      | LOW       | 64QAM      | 20.53 | 20.53 | 20.38 | 21.50              |
|                          |         | MID       | 64QAM      | 20.62 | 20.54 | 20.55 | 21.50              |
|                          |         | HIGH      | 64QAM      | 20.70 | 20.39 | 20.64 | 21.50              |
|                          | 50      | LOW       | 64QAM      | 20.61 | 20.55 | 20.40 | 21.50              |

| LTE B7-Full Power -Ant.2 |         |           |            |       |       |       |                    |
|--------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 20825 | 21100 | 21375 | Tune-up power(dBm) |
| 15                       | 1       | LOW       | QPSK       | 23.39 | 23.41 | 23.18 | 24.50              |
|                          |         | MID       | QPSK       | 23.32 | 23.20 | 23.29 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.22 | 23.37 | 23.29 | 24.50              |
|                          | 36      | LOW       | QPSK       | 22.75 | 22.56 | 22.31 | 23.50              |
|                          |         | MID       | QPSK       | 22.65 | 22.49 | 22.42 | 23.50              |
|                          |         | HIGH      | QPSK       | 22.66 | 22.39 | 22.57 | 23.50              |
|                          | 75      | LOW       | QPSK       | 22.36 | 22.50 | 22.45 | 23.50              |
| 15                       | 1       | LOW       | Q16        | 22.89 | 23.02 | 22.83 | 23.50              |
|                          |         | MID       | Q16        | 22.72 | 22.72 | 22.95 | 23.50              |
|                          |         | HIGH      | Q16        | 22.87 | 22.92 | 23.11 | 23.50              |
|                          | 36      | LOW       | Q16        | 21.73 | 21.60 | 21.35 | 22.50              |
|                          |         | MID       | Q16        | 21.53 | 21.38 | 21.50 | 22.50              |
|                          |         | HIGH      | Q16        | 21.33 | 21.34 | 21.43 | 22.50              |
|                          | 75      | LOW       | Q16        | 21.48 | 21.67 | 21.51 | 22.50              |
| 15                       | 1       | LOW       | 64QAM      | 21.63 | 21.91 | 21.68 | 22.50              |
|                          |         | MID       | 64QAM      | 21.93 | 21.96 | 22.03 | 22.50              |
|                          |         | HIGH      | 64QAM      | 21.79 | 21.81 | 22.19 | 22.50              |
|                          | 36      | LOW       | 64QAM      | 20.50 | 20.39 | 20.51 | 21.50              |
|                          |         | MID       | 64QAM      | 20.62 | 20.41 | 20.54 | 21.50              |
|                          |         | HIGH      | 64QAM      | 20.68 | 20.58 | 20.74 | 21.50              |
|                          | 75      | LOW       | 64QAM      | 20.64 | 20.45 | 20.62 | 21.50              |
| Bandwidth (MHz)          | RB Size | RB offset | Modulation | 20850 | 21100 | 21350 | Tune-up power(dBm) |
| 20                       | 1       | LOW       | QPSK       | 23.29 | 23.29 | 23.26 | 24.50              |
|                          |         | MID       | QPSK       | 23.30 | 23.32 | 23.33 | 24.50              |
|                          |         | HIGH      | QPSK       | 23.35 | 23.35 | 23.30 | 24.50              |
|                          | 50      | LOW       | QPSK       | 22.53 | 22.47 | 22.44 | 23.50              |
|                          |         | MID       | QPSK       | 22.56 | 22.47 | 22.45 | 23.50              |
|                          |         | HIGH      | QPSK       | 22.52 | 22.58 | 22.52 | 23.50              |
| 20                       | 100     | LOW       | QPSK       | 22.50 | 22.48 | 22.46 | 23.50              |
|                          | 1       | LOW       | Q16        | 22.85 | 23.00 | 22.73 | 23.50              |
|                          |         | MID       | Q16        | 22.80 | 22.87 | 22.90 | 23.50              |
|                          |         | HIGH      | Q16        | 22.81 | 22.91 | 23.03 | 23.50              |
|                          | 50      | LOW       | Q16        | 21.61 | 21.49 | 21.47 | 22.50              |
|                          |         | MID       | Q16        | 21.64 | 21.50 | 21.49 | 22.50              |
|                          |         | HIGH      | Q16        | 21.48 | 21.48 | 21.58 | 22.50              |
|                          | 100     | LOW       | Q16        | 21.51 | 21.54 | 21.52 | 22.50              |
| 20                       | 1       | LOW       | 64QAM      | 21.74 | 21.96 | 21.73 | 22.50              |
|                          |         | MID       | 64QAM      | 21.89 | 21.96 | 21.96 | 22.50              |
|                          |         | HIGH      | 64QAM      | 21.84 | 21.81 | 22.10 | 22.50              |
|                          | 50      | LOW       | 64QAM      | 20.58 | 20.43 | 20.45 | 21.50              |
|                          |         | MID       | 64QAM      | 20.75 | 20.44 | 20.40 | 21.50              |
|                          |         | HIGH      | 64QAM      | 20.63 | 20.50 | 20.59 | 21.50              |
|                          | 100     | LOW       | 64QAM      | 20.52 | 20.44 | 20.51 | 21.50              |

## 8.4.4 LTE Band7 Output Power

| LTE B7-Full Power -Ant.2(ENDC) |         |           |            |       |       |       |                    |
|--------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 20775 | 21100 | 21425 | Tune-up power(dBm) |
| 5                              | 1       | LOW       | QPSK       | 23.24 | 23.26 | 23.38 | 24.50              |
|                                |         | MID       | QPSK       | 23.23 | 23.46 | 23.21 | 24.50              |
|                                |         | HIGH      | QPSK       | 23.46 | 23.45 | 23.17 | 24.50              |
|                                | 12      | LOW       | QPSK       | 22.76 | 22.61 | 22.39 | 23.50              |
|                                |         | MID       | QPSK       | 22.50 | 22.48 | 22.55 | 23.50              |
|                                |         | HIGH      | QPSK       | 22.37 | 22.52 | 22.63 | 23.50              |
|                                | 25      | LOW       | QPSK       | 22.60 | 22.54 | 22.32 | 23.50              |
| 5                              | 1       | LOW       | Q16        | 22.87 | 23.14 | 22.58 | 23.50              |
|                                |         | MID       | Q16        | 22.74 | 22.92 | 22.98 | 23.50              |
|                                |         | HIGH      | Q16        | 22.83 | 22.76 | 22.99 | 23.50              |
|                                | 12      | LOW       | Q16        | 21.58 | 21.52 | 21.62 | 22.50              |
|                                |         | MID       | Q16        | 21.66 | 21.38 | 21.37 | 22.50              |
|                                |         | HIGH      | Q16        | 21.38 | 21.40 | 21.55 | 22.50              |
|                                | 25      | LOW       | Q16        | 21.62 | 21.67 | 21.53 | 22.50              |
| 5                              | 1       | LOW       | 64QAM      | 21.77 | 22.09 | 21.64 | 22.50              |
|                                |         | MID       | 64QAM      | 21.88 | 22.10 | 21.91 | 22.50              |
|                                |         | HIGH      | 64QAM      | 21.89 | 21.82 | 22.15 | 22.50              |
|                                | 12      | LOW       | 64QAM      | 20.69 | 20.54 | 20.39 | 21.50              |
|                                |         | MID       | 64QAM      | 20.66 | 20.44 | 20.37 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.60 | 20.47 | 20.62 | 21.50              |
|                                | 25      | LOW       | 64QAM      | 20.59 | 20.49 | 20.36 | 21.50              |
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 20800 | 21100 | 21400 | Tune-up power(dBm) |
| 10                             | 1       | LOW       | QPSK       | 23.23 | 23.40 | 23.38 | 24.50              |
|                                |         | MID       | QPSK       | 23.19 | 23.35 | 23.30 | 24.50              |
|                                |         | HIGH      | QPSK       | 23.39 | 23.45 | 23.45 | 24.50              |
|                                | 25      | LOW       | QPSK       | 22.73 | 22.44 | 22.41 | 23.50              |
|                                |         | MID       | QPSK       | 22.51 | 22.51 | 22.47 | 23.50              |
|                                |         | HIGH      | QPSK       | 22.51 | 22.46 | 22.54 | 23.50              |
| 50                             | LOW     | QPSK      | 22.40      | 22.37 | 22.43 | 23.50 |                    |
| 10                             | 1       | LOW       | Q16        | 22.81 | 23.04 | 22.86 | 23.50              |
|                                |         | MID       | Q16        | 22.79 | 22.87 | 22.99 | 23.50              |
|                                |         | HIGH      | Q16        | 22.68 | 22.87 | 23.17 | 23.50              |
|                                | 25      | LOW       | Q16        | 21.63 | 21.53 | 21.34 | 22.50              |
|                                |         | MID       | Q16        | 21.79 | 21.43 | 21.56 | 22.50              |
|                                |         | HIGH      | Q16        | 21.58 | 21.33 | 21.61 | 22.50              |
|                                | 50      | LOW       | Q16        | 21.62 | 21.53 | 21.65 | 22.50              |
| 10                             | 1       | LOW       | 64QAM      | 21.79 | 22.07 | 21.70 | 22.50              |
|                                |         | MID       | 64QAM      | 21.77 | 21.94 | 21.99 | 22.50              |
|                                |         | HIGH      | 64QAM      | 21.93 | 21.86 | 22.14 | 22.50              |
|                                | 25      | LOW       | 64QAM      | 20.53 | 20.53 | 20.38 | 21.50              |
|                                |         | MID       | 64QAM      | 20.62 | 20.54 | 20.55 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.70 | 20.39 | 20.64 | 21.50              |
|                                | 50      | LOW       | 64QAM      | 20.61 | 20.55 | 20.40 | 21.50              |



| LTE B7-Full Power -Ant.2(ENDC) |         |           |            |       |       |       |                    |
|--------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 20825 | 21100 | 21375 | Tune-up power(dBm) |
| 15                             | 1       | LOW       | QPSK       | 23.39 | 23.41 | 23.18 | 24.50              |
|                                |         | MID       | QPSK       | 23.32 | 23.20 | 23.29 | 24.50              |
|                                |         | HIGH      | QPSK       | 23.22 | 23.37 | 23.29 | 24.50              |
|                                | 36      | LOW       | QPSK       | 22.75 | 22.56 | 22.31 | 23.50              |
|                                |         | MID       | QPSK       | 22.65 | 22.49 | 22.42 | 23.50              |
|                                |         | HIGH      | QPSK       | 22.66 | 22.39 | 22.57 | 23.50              |
|                                | 75      | LOW       | QPSK       | 22.36 | 22.50 | 22.45 | 23.50              |
| 15                             | 1       | LOW       | Q16        | 22.89 | 23.02 | 22.83 | 23.50              |
|                                |         | MID       | Q16        | 22.72 | 22.72 | 22.95 | 23.50              |
|                                |         | HIGH      | Q16        | 22.87 | 22.92 | 23.11 | 23.50              |
|                                | 36      | LOW       | Q16        | 21.73 | 21.60 | 21.35 | 22.50              |
|                                |         | MID       | Q16        | 21.53 | 21.38 | 21.50 | 22.50              |
|                                |         | HIGH      | Q16        | 21.33 | 21.34 | 21.43 | 22.50              |
|                                | 75      | LOW       | Q16        | 21.48 | 21.67 | 21.51 | 22.50              |
| 15                             | 1       | LOW       | 64QAM      | 21.63 | 21.91 | 21.68 | 22.50              |
|                                |         | MID       | 64QAM      | 21.93 | 21.96 | 22.03 | 22.50              |
|                                |         | HIGH      | 64QAM      | 21.79 | 21.81 | 22.19 | 22.50              |
|                                | 36      | LOW       | 64QAM      | 20.50 | 20.39 | 20.51 | 21.50              |
|                                |         | MID       | 64QAM      | 20.62 | 20.41 | 20.54 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.68 | 20.58 | 20.74 | 21.50              |
|                                | 75      | LOW       | 64QAM      | 20.64 | 20.45 | 20.62 | 21.50              |
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 20850 | 21100 | 21350 | Tune-up power(dBm) |
| 20                             | 1       | LOW       | QPSK       | 23.29 | 23.29 | 23.26 | 24.50              |
|                                |         | MID       | QPSK       | 23.30 | 23.32 | 23.33 | 24.50              |
|                                |         | HIGH      | QPSK       | 23.35 | 23.35 | 23.30 | 24.50              |
|                                | 50      | LOW       | QPSK       | 22.53 | 22.47 | 22.44 | 23.50              |
|                                |         | MID       | QPSK       | 22.56 | 22.47 | 22.45 | 23.50              |
|                                |         | HIGH      | QPSK       | 22.52 | 22.58 | 22.52 | 23.50              |
| 100                            | LOW     | QPSK      | 22.50      | 22.48 | 22.46 | 23.50 |                    |
| 20                             | 1       | LOW       | Q16        | 22.85 | 23.00 | 22.73 | 23.50              |
|                                |         | MID       | Q16        | 22.80 | 22.87 | 22.90 | 23.50              |
|                                |         | HIGH      | Q16        | 22.81 | 22.91 | 23.03 | 23.50              |
|                                | 50      | LOW       | Q16        | 21.61 | 21.49 | 21.47 | 22.50              |
|                                |         | MID       | Q16        | 21.64 | 21.50 | 21.49 | 22.50              |
|                                |         | HIGH      | Q16        | 21.48 | 21.48 | 21.58 | 22.50              |
| 100                            | LOW     | Q16       | 21.51      | 21.54 | 21.52 | 22.50 |                    |
| 20                             | 1       | LOW       | 64QAM      | 21.74 | 21.96 | 21.73 | 22.50              |
|                                |         | MID       | 64QAM      | 21.89 | 21.96 | 21.96 | 22.50              |
|                                |         | HIGH      | 64QAM      | 21.84 | 21.81 | 22.10 | 22.50              |
|                                | 50      | LOW       | 64QAM      | 20.58 | 20.43 | 20.45 | 21.50              |
|                                |         | MID       | 64QAM      | 20.75 | 20.44 | 20.40 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.63 | 20.50 | 20.59 | 21.50              |
| 100                            | LOW     | 64QAM     | 20.52      | 20.44 | 20.51 | 21.50 |                    |

## 8.4.4 LTE Band7 Output Power

| LTE B7-Full Power -Ant.2(ENDC) |         |           |            |       |       |       |                    |
|--------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 20775 | 21100 | 21425 | Tune-up power(dBm) |
| 5                              | 1       | LOW       | QPSK       | 20.25 | 20.16 | 20.42 | 21.50              |
|                                |         | MID       | QPSK       | 20.00 | 20.50 | 20.11 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.40 | 20.45 | 20.13 | 21.50              |
|                                | 12      | LOW       | QPSK       | 20.80 | 20.51 | 20.27 | 21.50              |
|                                |         | MID       | QPSK       | 20.49 | 20.45 | 20.41 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.27 | 20.51 | 20.46 | 21.50              |
|                                | 25      | LOW       | QPSK       | 20.53 | 20.52 | 20.17 | 21.50              |
| 5                              | 1       | LOW       | Q16        | 20.90 | 20.94 | 20.53 | 21.50              |
|                                |         | MID       | Q16        | 20.61 | 20.73 | 20.87 | 21.50              |
|                                |         | HIGH      | Q16        | 20.78 | 20.71 | 20.97 | 21.50              |
|                                | 12      | LOW       | Q16        | 20.49 | 20.43 | 20.54 | 21.50              |
|                                |         | MID       | Q16        | 20.58 | 20.26 | 20.39 | 21.50              |
|                                |         | HIGH      | Q16        | 20.16 | 20.44 | 20.47 | 21.50              |
|                                | 25      | LOW       | Q16        | 20.44 | 20.56 | 20.43 | 21.50              |
| 5                              | 1       | LOW       | 64QAM      | 20.70 | 20.90 | 20.51 | 21.50              |
|                                |         | MID       | 64QAM      | 20.84 | 21.05 | 20.72 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.71 | 20.74 | 21.10 | 21.50              |
|                                | 12      | LOW       | 64QAM      | 20.57 | 20.35 | 20.17 | 21.50              |
|                                |         | MID       | 64QAM      | 20.45 | 20.42 | 20.37 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.44 | 20.36 | 20.46 | 21.50              |
|                                | 25      | LOW       | 64QAM      | 20.36 | 20.31 | 20.30 | 21.50              |
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 20800 | 21100 | 21400 | Tune-up power(dBm) |
| 10                             | 1       | LOW       | QPSK       | 20.02 | 20.24 | 20.16 | 21.50              |
|                                |         | MID       | QPSK       | 20.01 | 20.12 | 20.16 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.31 | 20.33 | 20.50 | 21.50              |
|                                | 25      | LOW       | QPSK       | 20.58 | 20.35 | 20.25 | 21.50              |
|                                |         | MID       | QPSK       | 20.54 | 20.53 | 20.24 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.31 | 20.50 | 20.43 | 21.50              |
| 10                             | 50      | LOW       | QPSK       | 20.27 | 20.23 | 20.29 | 21.50              |
| 10                             | 1       | LOW       | Q16        | 20.74 | 20.95 | 20.77 | 21.50              |
|                                |         | MID       | Q16        | 20.71 | 20.86 | 20.85 | 21.50              |
|                                |         | HIGH      | Q16        | 20.50 | 20.74 | 21.22 | 21.50              |
|                                | 25      | LOW       | Q16        | 20.57 | 20.31 | 20.34 | 21.50              |
|                                |         | MID       | Q16        | 20.63 | 20.48 | 20.34 | 21.50              |
|                                |         | HIGH      | Q16        | 20.54 | 20.11 | 20.48 | 21.50              |
|                                | 50      | LOW       | Q16        | 20.47 | 20.53 | 20.44 | 21.50              |
| 10                             | 1       | LOW       | 64QAM      | 20.67 | 20.95 | 20.71 | 21.50              |
|                                |         | MID       | 64QAM      | 20.78 | 20.89 | 20.86 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.88 | 20.64 | 20.91 | 21.50              |
|                                | 25      | LOW       | 64QAM      | 20.49 | 20.44 | 20.19 | 21.50              |
|                                |         | MID       | 64QAM      | 20.54 | 20.53 | 20.39 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.69 | 20.27 | 20.56 | 21.50              |
|                                | 50      | LOW       | 64QAM      | 20.58 | 20.46 | 20.28 | 21.50              |

| LTE B7-Full Power -Ant.2(ENDC) |         |           |            |       |       |       |                    |
|--------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (                    | RB Size | RB offset | Modulation | 20825 | 21100 | 21375 | Tune-up power(dBm) |
| 15                             | 1       | LOW       | QPSK       | 20.26 | 20.27 | 19.96 | 21.50              |
|                                |         | MID       | QPSK       | 20.10 | 20.06 | 20.34 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.17 | 20.29 | 20.26 | 21.50              |
|                                | 36      | LOW       | QPSK       | 20.55 | 20.57 | 20.15 | 21.50              |
|                                |         | MID       | QPSK       | 20.63 | 20.43 | 20.26 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.65 | 20.19 | 20.46 | 21.50              |
|                                | 75      | LOW       | QPSK       | 20.36 | 20.49 | 20.26 | 21.50              |
| 15                             | 1       | LOW       | Q16        | 20.78 | 20.94 | 20.76 | 21.50              |
|                                |         | MID       | Q16        | 20.76 | 20.71 | 20.80 | 21.50              |
|                                |         | HIGH      | Q16        | 20.65 | 20.87 | 21.08 | 21.50              |
|                                | 36      | LOW       | Q16        | 20.76 | 20.45 | 20.36 | 21.50              |
|                                |         | MID       | Q16        | 20.41 | 20.24 | 20.37 | 21.50              |
|                                |         | HIGH      | Q16        | 20.27 | 20.24 | 20.28 | 21.50              |
|                                | 75      | LOW       | Q16        | 20.35 | 20.72 | 20.31 | 21.50              |
| 15                             | 1       | LOW       | 64QAM      | 20.65 | 20.75 | 20.73 | 21.50              |
|                                |         | MID       | 64QAM      | 20.77 | 20.99 | 21.03 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.82 | 20.66 | 21.12 | 21.50              |
|                                | 36      | LOW       | 64QAM      | 20.39 | 20.42 | 20.28 | 21.50              |
|                                |         | MID       | 64QAM      | 20.50 | 20.26 | 20.48 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.65 | 20.49 | 20.66 | 21.50              |
|                                | 75      | LOW       | 64QAM      | 20.60 | 20.42 | 20.42 | 21.50              |
| Bandwidth (                    | RB Size | RB offset | Modulation | 20850 | 21100 | 21350 | Tune-up power(dBm) |
| 20                             | 1       | LOW       | QPSK       | 20.12 | 20.18 | 20.06 | 21.50              |
|                                |         | MID       | QPSK       | 20.15 | 20.31 | 20.35 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.34 | 20.29 | 20.26 | 21.50              |
|                                | 50      | LOW       | QPSK       | 20.44 | 20.47 | 20.41 | 21.50              |
|                                |         | MID       | QPSK       | 20.44 | 20.51 | 20.34 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.35 | 20.43 | 20.31 | 21.50              |
|                                | 100     | LOW       | QPSK       | 20.39 | 20.32 | 20.51 | 21.50              |
| 20                             | 1       | LOW       | Q16        | 20.90 | 21.00 | 20.59 | 21.50              |
|                                |         | MID       | Q16        | 20.61 | 20.77 | 20.85 | 21.50              |
|                                |         | HIGH      | Q16        | 20.59 | 20.84 | 20.81 | 21.50              |
|                                | 50      | LOW       | Q16        | 20.55 | 20.45 | 20.26 | 21.50              |
|                                |         | MID       | Q16        | 20.58 | 20.28 | 20.31 | 21.50              |
|                                |         | HIGH      | Q16        | 20.25 | 20.32 | 20.61 | 21.50              |
|                                | 100     | LOW       | Q16        | 20.49 | 20.32 | 20.57 | 21.50              |
| 20                             | 1       | LOW       | 64QAM      | 20.74 | 20.76 | 20.77 | 21.50              |
|                                |         | MID       | 64QAM      | 20.87 | 21.00 | 20.86 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.61 | 20.68 | 21.03 | 21.50              |
|                                | 50      | LOW       | 64QAM      | 20.46 | 20.45 | 20.30 | 21.50              |
|                                |         | MID       | 64QAM      | 20.62 | 20.24 | 20.20 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.52 | 20.41 | 20.51 | 21.50              |
|                                | 100     | LOW       | 64QAM      | 20.36 | 20.46 | 20.49 | 21.50              |

## 8.4.4 LTE Band7 Output Power

| LTE B7-Full Power -Ant.2(ENDC) |         |           |            |       |       |       |                    |
|--------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 20775 | 21100 | 21425 | Tune-up power(dBm) |
| 5                              | 1       | LOW       | QPSK       | 22.25 | 22.31 | 22.34 | 23.00              |
|                                |         | MID       | QPSK       | 22.25 | 22.45 | 22.24 | 23.00              |
|                                |         | HIGH      | QPSK       | 22.48 | 22.50 | 22.12 | 23.00              |
|                                | 12      | LOW       | QPSK       | 22.59 | 22.41 | 22.15 | 23.00              |
|                                |         | MID       | QPSK       | 22.31 | 22.29 | 22.31 | 23.00              |
|                                |         | HIGH      | QPSK       | 22.16 | 22.27 | 22.44 | 23.00              |
|                                | 25      | LOW       | QPSK       | 22.38 | 22.36 | 22.11 | 23.00              |
| 5                              | 1       | LOW       | Q16        | 22.65 | 22.92 | 22.33 | 23.00              |
|                                |         | MID       | Q16        | 22.58 | 22.74 | 22.74 | 23.00              |
|                                |         | HIGH      | Q16        | 22.68 | 22.53 | 22.80 | 23.00              |
|                                | 12      | LOW       | Q16        | 21.53 | 21.51 | 21.61 | 22.50              |
|                                |         | MID       | Q16        | 21.67 | 21.33 | 21.39 | 22.50              |
|                                |         | HIGH      | Q16        | 21.36 | 21.45 | 21.54 | 22.50              |
|                                | 25      | LOW       | Q16        | 21.65 | 21.69 | 21.55 | 22.50              |
| 5                              | 1       | LOW       | 64QAM      | 21.77 | 22.06 | 21.59 | 22.50              |
|                                |         | MID       | 64QAM      | 21.83 | 22.09 | 21.92 | 22.50              |
|                                |         | HIGH      | 64QAM      | 21.89 | 21.84 | 22.20 | 22.50              |
|                                | 12      | LOW       | 64QAM      | 20.72 | 20.56 | 20.36 | 21.50              |
|                                |         | MID       | 64QAM      | 20.61 | 20.48 | 20.41 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.57 | 20.44 | 20.58 | 21.50              |
|                                | 25      | LOW       | 64QAM      | 20.64 | 20.47 | 20.36 | 21.50              |
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 20800 | 21100 | 21400 | Tune-up power(dBm) |
| 10                             | 1       | LOW       | QPSK       | 22.20 | 22.44 | 22.33 | 23.00              |
|                                |         | MID       | QPSK       | 22.20 | 22.35 | 22.32 | 23.00              |
|                                |         | HIGH      | QPSK       | 22.34 | 22.47 | 22.48 | 23.00              |
|                                | 25      | LOW       | QPSK       | 22.51 | 22.19 | 22.18 | 23.00              |
|                                |         | MID       | QPSK       | 22.33 | 22.35 | 22.27 | 23.00              |
|                                |         | HIGH      | QPSK       | 22.36 | 22.24 | 22.37 | 23.00              |
| 10                             | 50      | LOW       | QPSK       | 22.18 | 22.13 | 22.27 | 23.00              |
| 10                             | 1       | LOW       | Q16        | 22.60 | 22.87 | 22.71 | 23.00              |
|                                |         | MID       | Q16        | 22.58 | 22.64 | 22.75 | 23.00              |
|                                |         | HIGH      | Q16        | 22.49 | 22.68 | 22.97 | 23.00              |
|                                | 25      | LOW       | Q16        | 21.62 | 21.51 | 21.35 | 22.50              |
|                                |         | MID       | Q16        | 21.76 | 21.48 | 21.52 | 22.50              |
|                                |         | HIGH      | Q16        | 21.62 | 21.36 | 21.58 | 22.50              |
|                                | 50      | LOW       | Q16        | 21.57 | 21.54 | 21.69 | 22.50              |
| 10                             | 1       | LOW       | 64QAM      | 21.82 | 22.11 | 21.71 | 22.50              |
|                                |         | MID       | 64QAM      | 21.80 | 21.92 | 22.02 | 22.50              |
|                                |         | HIGH      | 64QAM      | 21.94 | 21.86 | 22.17 | 22.50              |
|                                | 25      | LOW       | 64QAM      | 20.54 | 20.52 | 20.41 | 21.50              |
|                                |         | MID       | 64QAM      | 20.58 | 20.55 | 20.56 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.71 | 20.34 | 20.64 | 21.50              |
|                                | 50      | LOW       | 64QAM      | 20.58 | 20.53 | 20.42 | 21.50              |

| LTE B7-Full Power -Ant.2(ENDC) |         |           |            |       |       |       |                    |
|--------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 20825 | 21100 | 21375 | Tune-up power(dBm) |
| 15                             | 1       | LOW       | QPSK       | 22.40 | 22.39 | 22.17 | 23.00              |
|                                |         | MID       | QPSK       | 22.27 | 22.16 | 22.27 | 23.00              |
|                                |         | HIGH      | QPSK       | 22.21 | 22.41 | 22.34 | 23.00              |
|                                | 36      | LOW       | QPSK       | 22.59 | 22.41 | 22.13 | 23.00              |
|                                |         | MID       | QPSK       | 22.43 | 22.34 | 22.25 | 23.00              |
|                                |         | HIGH      | QPSK       | 22.42 | 22.19 | 22.39 | 23.00              |
|                                | 75      | LOW       | QPSK       | 22.12 | 22.35 | 22.22 | 23.00              |
| 15                             | 1       | LOW       | Q16        | 22.72 | 22.85 | 22.67 | 23.00              |
|                                |         | MID       | Q16        | 22.54 | 22.54 | 22.79 | 23.00              |
|                                |         | HIGH      | Q16        | 22.63 | 22.70 | 22.86 | 23.00              |
|                                | 36      | LOW       | Q16        | 21.68 | 21.57 | 21.39 | 22.50              |
|                                |         | MID       | Q16        | 21.51 | 21.40 | 21.46 | 22.50              |
|                                |         | HIGH      | Q16        | 21.36 | 21.31 | 21.42 | 22.50              |
|                                | 75      | LOW       | Q16        | 21.49 | 21.72 | 21.52 | 22.50              |
| 15                             | 1       | LOW       | 64QAM      | 21.64 | 21.95 | 21.66 | 22.50              |
|                                |         | MID       | 64QAM      | 21.91 | 21.92 | 22.02 | 22.50              |
|                                |         | HIGH      | 64QAM      | 21.76 | 21.78 | 22.15 | 22.50              |
|                                | 36      | LOW       | 64QAM      | 20.54 | 20.37 | 20.51 | 21.50              |
|                                |         | MID       | 64QAM      | 20.67 | 20.43 | 20.53 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.66 | 20.61 | 20.70 | 21.50              |
|                                | 75      | LOW       | 64QAM      | 20.63 | 20.44 | 20.60 | 21.50              |
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 20850 | 21100 | 21350 | Tune-up power(dBm) |
| 20                             | 1       | LOW       | QPSK       | 22.29 | 22.25 | 22.27 | 23.00              |
|                                |         | MID       | QPSK       | 22.27 | 22.30 | 22.28 | 23.00              |
|                                |         | HIGH      | QPSK       | 22.36 | 22.40 | 22.27 | 23.00              |
|                                | 50      | LOW       | QPSK       | 22.35 | 22.28 | 22.23 | 23.00              |
|                                |         | MID       | QPSK       | 22.31 | 22.28 | 22.23 | 23.00              |
|                                |         | HIGH      | QPSK       | 22.31 | 22.38 | 22.32 | 23.00              |
|                                | 100     | LOW       | QPSK       | 22.25 | 22.27 | 22.26 | 23.00              |
| 20                             | 1       | LOW       | Q16        | 22.66 | 22.82 | 22.54 | 23.00              |
|                                |         | MID       | Q16        | 22.64 | 22.71 | 22.66 | 23.00              |
|                                |         | HIGH      | Q16        | 22.61 | 22.74 | 22.78 | 23.00              |
|                                | 50      | LOW       | Q16        | 21.65 | 21.44 | 21.46 | 22.50              |
|                                |         | MID       | Q16        | 21.60 | 21.54 | 21.51 | 22.50              |
|                                |         | HIGH      | Q16        | 21.49 | 21.47 | 21.58 | 22.50              |
|                                | 100     | LOW       | Q16        | 21.54 | 21.58 | 21.53 | 22.50              |
| 20                             | 1       | LOW       | 64QAM      | 21.77 | 22.01 | 21.70 | 22.50              |
|                                |         | MID       | 64QAM      | 21.88 | 21.98 | 21.95 | 22.50              |
|                                |         | HIGH      | 64QAM      | 21.81 | 21.86 | 22.14 | 22.50              |
|                                | 50      | LOW       | 64QAM      | 20.62 | 20.44 | 20.41 | 21.50              |
|                                |         | MID       | 64QAM      | 20.70 | 20.47 | 20.37 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.60 | 20.54 | 20.58 | 21.50              |
|                                | 100     | LOW       | 64QAM      | 20.57 | 20.40 | 20.51 | 21.50              |

## 8.4.4 LTE Band7 Output Power

| LTE B7-Full Power -Ant.6(ENDC) |         |           |            |       |       |       |                    |
|--------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 20775 | 21100 | 21425 | Tune-up power(dBm) |
| 5                              | 1       | LOW       | QPSK       | 20.17 | 20.14 | 20.07 | 21.50              |
|                                |         | MID       | QPSK       | 20.06 | 20.44 | 20.22 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.29 | 20.25 | 20.11 | 21.50              |
|                                | 12      | LOW       | QPSK       | 20.26 | 20.31 | 20.53 | 21.50              |
|                                |         | MID       | QPSK       | 20.43 | 20.41 | 20.40 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.46 | 20.45 | 20.54 | 21.50              |
|                                | 25      | LOW       | QPSK       | 20.35 | 20.15 | 20.43 | 21.50              |
| 5                              | 1       | LOW       | Q16        | 20.75 | 20.99 | 21.06 | 21.50              |
|                                |         | MID       | Q16        | 21.02 | 20.79 | 20.88 | 21.50              |
|                                |         | HIGH      | Q16        | 21.05 | 20.81 | 21.09 | 21.50              |
|                                | 12      | LOW       | Q16        | 20.65 | 20.31 | 20.54 | 21.50              |
|                                |         | MID       | Q16        | 20.40 | 20.49 | 20.52 | 21.50              |
|                                |         | HIGH      | Q16        | 20.38 | 20.25 | 20.54 | 21.50              |
|                                | 25      | LOW       | Q16        | 20.58 | 20.33 | 20.48 | 21.50              |
| 5                              | 1       | LOW       | 64QAM      | 20.81 | 21.02 | 20.63 | 21.50              |
|                                |         | MID       | 64QAM      | 20.97 | 20.94 | 21.01 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.76 | 20.65 | 20.82 | 21.50              |
|                                | 12      | LOW       | 64QAM      | 20.39 | 20.29 | 20.29 | 21.50              |
|                                |         | MID       | 64QAM      | 20.18 | 20.47 | 20.29 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.15 | 20.54 | 20.49 | 21.50              |
|                                | 25      | LOW       | 64QAM      | 20.17 | 20.33 | 20.34 | 21.50              |
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 20800 | 21100 | 21400 | Tune-up power(dBm) |
| 10                             | 1       | LOW       | QPSK       | 20.35 | 20.13 | 20.16 | 21.50              |
|                                |         | MID       | QPSK       | 20.16 | 20.16 | 20.33 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.22 | 20.22 | 20.24 | 21.50              |
|                                | 25      | LOW       | QPSK       | 20.19 | 20.40 | 20.32 | 21.50              |
|                                |         | MID       | QPSK       | 20.32 | 20.53 | 20.25 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.28 | 20.58 | 20.26 | 21.50              |
| 50                             | LOW     | QPSK      | 20.30      | 20.35 | 20.30 | 21.50 |                    |
| 10                             | 1       | LOW       | Q16        | 20.99 | 20.95 | 20.77 | 21.50              |
|                                |         | MID       | Q16        | 20.91 | 20.74 | 20.66 | 21.50              |
|                                |         | HIGH      | Q16        | 20.78 | 20.82 | 21.06 | 21.50              |
|                                | 25      | LOW       | Q16        | 20.52 | 20.20 | 20.55 | 21.50              |
|                                |         | MID       | Q16        | 20.68 | 20.29 | 20.37 | 21.50              |
|                                |         | HIGH      | Q16        | 20.47 | 20.35 | 20.52 | 21.50              |
| 50                             | LOW     | Q16       | 20.36      | 20.49 | 20.27 | 21.50 |                    |
| 10                             | 1       | LOW       | 64QAM      | 20.70 | 20.90 | 20.71 | 21.50              |
|                                |         | MID       | 64QAM      | 20.83 | 20.77 | 20.88 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.72 | 20.77 | 20.63 | 21.50              |
|                                | 25      | LOW       | 64QAM      | 20.12 | 20.14 | 20.27 | 21.50              |
|                                |         | MID       | 64QAM      | 20.27 | 20.44 | 20.41 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.18 | 20.39 | 20.47 | 21.50              |
| 50                             | LOW     | 64QAM     | 20.39      | 20.21 | 20.22 | 21.50 |                    |

| LTE B7-Full Power -Ant.6(ENDC) |         |           |            |       |       |       |                    |
|--------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 20825 | 21100 | 21375 | Tune-up power(dBm) |
| 15                             | 1       | LOW       | QPSK       | 20.04 | 20.06 | 20.19 | 21.50              |
|                                |         | MID       | QPSK       | 20.36 | 20.40 | 20.07 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.12 | 20.15 | 20.22 | 21.50              |
|                                | 36      | LOW       | QPSK       | 20.44 | 20.49 | 20.55 | 21.50              |
|                                |         | MID       | QPSK       | 20.31 | 20.29 | 20.20 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.33 | 20.48 | 20.33 | 21.50              |
|                                | 75      | LOW       | QPSK       | 20.56 | 20.33 | 20.38 | 21.50              |
| 15                             | 1       | LOW       | Q16        | 20.88 | 20.75 | 20.70 | 21.50              |
|                                |         | MID       | Q16        | 21.14 | 20.82 | 20.91 | 21.50              |
|                                |         | HIGH      | Q16        | 21.05 | 20.79 | 20.91 | 21.50              |
|                                | 36      | LOW       | Q16        | 20.35 | 20.26 | 20.44 | 21.50              |
|                                |         | MID       | Q16        | 20.48 | 20.52 | 20.45 | 21.50              |
|                                |         | HIGH      | Q16        | 20.43 | 20.32 | 20.46 | 21.50              |
|                                | 75      | LOW       | Q16        | 20.44 | 20.54 | 20.55 | 21.50              |
| 15                             | 1       | LOW       | 64QAM      | 20.50 | 20.77 | 21.01 | 21.50              |
|                                |         | MID       | 64QAM      | 20.82 | 20.82 | 20.87 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.85 | 20.47 | 20.92 | 21.50              |
|                                | 36      | LOW       | 64QAM      | 20.05 | 20.25 | 20.40 | 21.50              |
|                                |         | MID       | 64QAM      | 20.14 | 20.43 | 20.20 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.01 | 20.54 | 20.30 | 21.50              |
|                                | 75      | LOW       | 64QAM      | 20.30 | 20.38 | 20.42 | 21.50              |
| Bandwidth (MHz)                | RB Size | RB offset | Modulation | 20850 | 21100 | 21350 | Tune-up power(dBm) |
| 20                             | 1       | LOW       | QPSK       | 20.24 | 20.19 | 20.24 | 21.50              |
|                                |         | MID       | QPSK       | 20.14 | 20.35 | 20.30 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.29 | 20.16 | 20.25 | 21.50              |
|                                | 50      | LOW       | QPSK       | 20.45 | 20.48 | 20.33 | 21.50              |
|                                |         | MID       | QPSK       | 20.19 | 20.30 | 20.21 | 21.50              |
|                                |         | HIGH      | QPSK       | 20.45 | 20.40 | 20.47 | 21.50              |
|                                | 100     | LOW       | QPSK       | 20.41 | 20.39 | 20.14 | 21.50              |
| 20                             | 1       | LOW       | Q16        | 20.94 | 20.89 | 20.78 | 21.50              |
|                                |         | MID       | Q16        | 20.99 | 20.80 | 21.04 | 21.50              |
|                                |         | HIGH      | Q16        | 20.89 | 20.83 | 20.94 | 21.50              |
|                                | 50      | LOW       | Q16        | 20.44 | 20.30 | 20.39 | 21.50              |
|                                |         | MID       | Q16        | 20.44 | 20.47 | 20.45 | 21.50              |
|                                |         | HIGH      | Q16        | 20.54 | 20.35 | 20.34 | 21.50              |
|                                | 100     | LOW       | Q16        | 20.52 | 20.45 | 20.49 | 21.50              |
| 20                             | 1       | LOW       | 64QAM      | 20.69 | 20.85 | 20.93 | 21.50              |
|                                |         | MID       | 64QAM      | 20.64 | 20.76 | 20.76 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.89 | 20.63 | 20.95 | 21.50              |
|                                | 50      | LOW       | 64QAM      | 20.15 | 20.31 | 20.29 | 21.50              |
|                                |         | MID       | 64QAM      | 20.14 | 20.42 | 20.21 | 21.50              |
|                                |         | HIGH      | 64QAM      | 20.25 | 20.43 | 20.31 | 21.50              |
|                                | 100     | LOW       | 64QAM      | 20.40 | 20.26 | 20.56 | 21.50              |

### 8.4.5 LTE Band12 Output Power

| LTE B12-Full Power -Ant.0 |         |           |            |       |       |       |                    |
|---------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 23017 | 23095 | 23173 | Tune-up power(dBm) |
| 1.4                       | 1       | LOW       | QPSK       | 22.94 | 22.92 | 23.06 | 24.50              |
|                           |         | MID       | QPSK       | 22.73 | 23.08 | 22.98 | 24.50              |
|                           |         | HIGH      | QPSK       | 23.07 | 22.93 | 22.81 | 24.50              |
|                           | 3       | LOW       | QPSK       | 23.13 | 23.00 | 22.84 | 24.50              |
|                           |         | MID       | QPSK       | 22.94 | 22.96 | 22.92 | 24.50              |
|                           |         | HIGH      | QPSK       | 23.12 | 23.04 | 23.03 | 24.50              |
|                           | 6       | LOW       | QPSK       | 22.01 | 21.99 | 22.02 | 23.50              |
| 1.4                       | 1       | LOW       | Q16        | 22.00 | 22.31 | 22.00 | 23.50              |
|                           |         | MID       | Q16        | 21.79 | 22.29 | 22.10 | 23.50              |
|                           |         | HIGH      | Q16        | 21.86 | 22.44 | 22.11 | 23.50              |
|                           | 3       | LOW       | Q16        | 21.93 | 22.48 | 22.02 | 23.50              |
|                           |         | MID       | Q16        | 21.87 | 22.34 | 22.16 | 23.50              |
|                           |         | HIGH      | Q16        | 22.02 | 22.57 | 21.88 | 23.50              |
|                           | 6       | LOW       | Q16        | 20.93 | 20.95 | 21.03 | 22.50              |
| 1.4                       | 1       | LOW       | 64QAM      | 21.14 | 21.23 | 21.02 | 22.50              |
|                           |         | MID       | 64QAM      | 20.65 | 21.20 | 21.04 | 22.50              |
|                           |         | HIGH      | 64QAM      | 20.71 | 21.42 | 21.07 | 22.50              |
|                           | 3       | LOW       | 64QAM      | 20.92 | 21.54 | 21.13 | 22.50              |
|                           |         | MID       | 64QAM      | 20.83 | 21.36 | 21.20 | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.12 | 21.51 | 20.93 | 22.50              |
|                           | 6       | LOW       | 64QAM      | 19.99 | 19.85 | 20.17 | 21.50              |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 23025 | 23095 | 23165 | Tune-up power(dBm) |
| 3                         | 1       | LOW       | QPSK       | 23.05 | 22.72 | 22.96 | 24.50              |
|                           |         | MID       | QPSK       | 22.83 | 23.02 | 22.93 | 24.50              |
|                           |         | HIGH      | QPSK       | 22.96 | 22.88 | 22.90 | 24.50              |
|                           | 8       | LOW       | QPSK       | 21.88 | 21.98 | 21.84 | 23.50              |
|                           |         | MID       | QPSK       | 22.13 | 21.96 | 21.93 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.04 | 22.18 | 21.97 | 23.50              |
| 15                        | LOW     | QPSK      | 21.87      | 22.00 | 21.96 | 23.50 |                    |
| 3                         | 1       | LOW       | Q16        | 21.80 | 22.32 | 22.07 | 23.50              |
|                           |         | MID       | Q16        | 21.76 | 22.50 | 22.12 | 23.50              |
|                           |         | HIGH      | Q16        | 21.86 | 22.53 | 21.91 | 23.50              |
|                           | 8       | LOW       | Q16        | 20.87 | 21.04 | 21.21 | 22.50              |
|                           |         | MID       | Q16        | 21.05 | 21.06 | 21.15 | 22.50              |
|                           |         | HIGH      | Q16        | 21.01 | 21.05 | 21.09 | 22.50              |
|                           | 15      | LOW       | Q16        | 21.00 | 20.89 | 21.08 | 22.50              |
| 3                         | 1       | LOW       | 64QAM      | 21.07 | 21.30 | 20.84 | 22.50              |
|                           |         | MID       | 64QAM      | 20.93 | 21.52 | 20.90 | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.15 | 21.33 | 20.98 | 22.50              |
|                           | 8       | LOW       | 64QAM      | 20.05 | 20.11 | 20.18 | 21.50              |
|                           |         | MID       | 64QAM      | 20.12 | 19.90 | 19.98 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.11 | 20.19 | 19.90 | 21.50              |
|                           | 15      | LOW       | 64QAM      | 20.04 | 20.17 | 20.10 | 21.50              |



| LTE B12-Full Power -Ant.0 |         |           |            |       |       |       |                    |
|---------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 23035 | 23095 | 23155 | Tune-up power(dBm) |
| 5                         | 1       | LOW       | QPSK       | 23.09 | 22.90 | 22.98 | 24.50              |
|                           |         | MID       | QPSK       | 22.83 | 22.85 | 22.90 | 24.50              |
|                           |         | HIGH      | QPSK       | 23.07 | 23.09 | 23.10 | 24.50              |
|                           | 12      | LOW       | QPSK       | 21.98 | 21.90 | 21.91 | 23.50              |
|                           |         | MID       | QPSK       | 22.01 | 21.91 | 21.99 | 23.50              |
|                           |         | HIGH      | QPSK       | 21.94 | 22.17 | 21.94 | 23.50              |
|                           | 25      | LOW       | QPSK       | 22.16 | 22.04 | 22.11 | 23.50              |
| 5                         | 1       | LOW       | Q16        | 21.95 | 22.49 | 22.12 | 23.50              |
|                           |         | MID       | Q16        | 21.88 | 22.35 | 22.00 | 23.50              |
|                           |         | HIGH      | Q16        | 21.90 | 22.43 | 22.04 | 23.50              |
|                           | 12      | LOW       | Q16        | 21.06 | 20.98 | 21.01 | 22.50              |
|                           |         | MID       | Q16        | 20.97 | 21.03 | 20.95 | 22.50              |
|                           |         | HIGH      | Q16        | 21.02 | 20.96 | 20.99 | 22.50              |
|                           | 25      | LOW       | Q16        | 20.94 | 21.01 | 20.91 | 22.50              |
| 5                         | 1       | LOW       | 64QAM      | 20.78 | 21.47 | 21.03 | 22.50              |
|                           |         | MID       | 64QAM      | 20.84 | 21.69 | 20.89 | 22.50              |
|                           |         | HIGH      | 64QAM      | 20.90 | 21.35 | 20.76 | 22.50              |
|                           | 12      | LOW       | 64QAM      | 19.90 | 20.06 | 20.15 | 21.50              |
|                           |         | MID       | 64QAM      | 20.10 | 20.07 | 19.94 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.18 | 20.06 | 20.13 | 21.50              |
|                           | 25      | LOW       | 64QAM      | 19.89 | 20.25 | 19.84 | 21.50              |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 23060 | 23095 | 23130 | Tune-up power(dBm) |
| 10                        | 1       | LOW       | QPSK       | 22.99 | 22.86 | 22.97 | 24.50              |
|                           |         | MID       | QPSK       | 22.86 | 22.94 | 22.97 | 24.50              |
|                           |         | HIGH      | QPSK       | 22.99 | 23.01 | 22.95 | 24.50              |
|                           | 25      | LOW       | QPSK       | 21.94 | 21.96 | 21.94 | 23.50              |
|                           |         | MID       | QPSK       | 22.05 | 21.98 | 21.96 | 23.50              |
|                           |         | HIGH      | QPSK       | 21.96 | 22.06 | 22.05 | 23.50              |
|                           | 50      | LOW       | QPSK       | 22.02 | 22.01 | 21.97 | 23.50              |
| 10                        | 1       | LOW       | Q16        | 21.86 | 22.36 | 22.03 | 23.50              |
|                           |         | MID       | Q16        | 21.84 | 22.44 | 22.05 | 23.50              |
|                           |         | HIGH      | Q16        | 21.90 | 22.46 | 21.99 | 23.50              |
|                           | 25      | LOW       | Q16        | 20.95 | 21.06 | 21.08 | 22.50              |
|                           |         | MID       | Q16        | 21.06 | 21.03 | 21.07 | 22.50              |
|                           |         | HIGH      | Q16        | 21.05 | 21.10 | 21.12 | 22.50              |
|                           | 50      | LOW       | Q16        | 20.99 | 21.01 | 21.02 | 22.50              |
| 10                        | 1       | LOW       | 64QAM      | 20.92 | 21.40 | 20.96 | 22.50              |
|                           |         | MID       | 64QAM      | 20.78 | 21.58 | 20.92 | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.00 | 21.36 | 20.88 | 22.50              |
|                           | 25      | LOW       | 64QAM      | 19.98 | 19.97 | 20.06 | 21.50              |
|                           |         | MID       | 64QAM      | 20.14 | 20.00 | 20.04 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.20 | 20.07 | 20.01 | 21.50              |
|                           | 50      | LOW       | 64QAM      | 19.94 | 20.13 | 19.95 | 21.50              |

## 8.4.5 LTE Band12 Output Power

| LTE B12-Full Power -Ant.0(ENDC) |         |           |            |       |       |       |                    |
|---------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                 | RB Size | RB offset | Modulation | 23017 | 23095 | 23173 | Tune-up power(dBm) |
| 1.4                             | 1       | LOW       | QPSK       | 20.00 | 20.00 | 20.02 | 21.50              |
|                                 |         | MID       | QPSK       | 19.76 | 20.13 | 19.97 | 21.50              |
|                                 |         | HIGH      | QPSK       | 20.10 | 19.89 | 19.68 | 21.50              |
|                                 | 3       | LOW       | QPSK       | 20.07 | 20.02 | 19.73 | 21.50              |
|                                 |         | MID       | QPSK       | 19.79 | 20.02 | 19.91 | 21.50              |
|                                 |         | HIGH      | QPSK       | 20.03 | 19.97 | 19.98 | 21.50              |
| 1.4                             | 1       | LOW       | QPSK       | 19.95 | 19.93 | 20.03 | 21.50              |
|                                 | 3       | LOW       | Q16        | 19.90 | 20.28 | 20.07 | 21.50              |
|                                 |         | MID       | Q16        | 19.77 | 20.23 | 20.14 | 21.50              |
|                                 |         | HIGH      | Q16        | 19.91 | 20.42 | 19.97 | 21.50              |
|                                 | 3       | LOW       | Q16        | 19.80 | 20.43 | 20.07 | 21.50              |
|                                 |         | MID       | Q16        | 19.76 | 20.32 | 20.23 | 21.50              |
| 1.4                             | 1       | LOW       | Q16        | 19.96 | 20.52 | 19.80 | 21.50              |
|                                 |         | HIGH      | Q16        | 19.87 | 19.80 | 19.96 | 21.50              |
|                                 | 3       | LOW       | 64QAM      | 20.16 | 20.09 | 19.92 | 21.50              |
|                                 |         | MID       | 64QAM      | 19.66 | 20.15 | 19.92 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 19.58 | 20.40 | 20.11 | 21.50              |
|                                 | 6       | LOW       | 64QAM      | 20.00 | 20.53 | 20.12 | 21.50              |
| 3                               | 1       | MID       | 64QAM      | 19.82 | 20.44 | 20.18 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.10 | 20.55 | 20.01 | 21.50              |
|                                 |         | LOW       | 64QAM      | 19.95 | 19.75 | 20.20 | 21.50              |
|                                 | 3       | LOW       | QPSK       | 20.03 | 19.66 | 19.95 | 21.50              |
|                                 |         | MID       | QPSK       | 19.75 | 20.08 | 20.00 | 21.50              |
|                                 |         | HIGH      | QPSK       | 20.01 | 19.81 | 19.79 | 21.50              |
|                                 | 8       | LOW       | QPSK       | 19.91 | 19.83 | 19.78 | 21.50              |
|                                 |         | MID       | QPSK       | 20.13 | 19.94 | 19.81 | 21.50              |
|                                 |         | HIGH      | QPSK       | 19.99 | 20.09 | 20.05 | 21.50              |
|                                 | 15      | LOW       | QPSK       | 19.83 | 20.01 | 19.99 | 21.50              |
|                                 |         | LOW       | Q16        | 19.73 | 20.20 | 19.96 | 21.50              |
|                                 |         | MID       | Q16        | 19.73 | 20.37 | 20.16 | 21.50              |
| 3                               | 1       | HIGH      | Q16        | 19.87 | 20.40 | 19.96 | 21.50              |
|                                 | 8       | LOW       | Q16        | 19.95 | 19.93 | 20.14 | 21.50              |
|                                 |         | MID       | Q16        | 20.13 | 19.99 | 20.17 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.07 | 20.00 | 19.95 | 21.50              |
|                                 | 15      | LOW       | Q16        | 20.08 | 20.23 | 19.78 | 21.50              |
|                                 |         | MID       | Q16        | 19.95 | 20.54 | 19.93 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.14 | 20.28 | 19.91 | 21.50              |
|                                 | 8       | LOW       | 64QAM      | 20.08 | 20.17 | 20.22 | 21.50              |
|                                 |         | MID       | 64QAM      | 19.97 | 19.92 | 20.03 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.10 | 20.25 | 19.89 | 21.50              |
|                                 | 15      | LOW       | 64QAM      | 19.94 | 20.24 | 20.09 | 21.50              |

| LTE B12-Full Power -Ant.0(ENDC) |         |           |            |       |       |       |                    |
|---------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                 | RB Size | RB offset | Modulation | 23035 | 23095 | 23155 | Tune-up power(dBm) |
| 5                               | 1       | LOW       | QPSK       | 19.96 | 19.98 | 19.90 | 21.50              |
|                                 |         | MID       | QPSK       | 19.84 | 19.93 | 19.82 | 21.50              |
|                                 |         | HIGH      | QPSK       | 20.15 | 20.16 | 20.16 | 21.50              |
|                                 | 12      | LOW       | QPSK       | 19.95 | 19.93 | 19.80 | 21.50              |
|                                 |         | MID       | QPSK       | 19.97 | 19.86 | 19.84 | 21.50              |
|                                 |         | HIGH      | QPSK       | 19.93 | 20.05 | 20.01 | 21.50              |
| 5                               | 1       | LOW       | QPSK       | 20.05 | 19.99 | 20.13 | 21.50              |
|                                 | 12      | LOW       | Q16        | 19.94 | 20.48 | 20.15 | 21.50              |
|                                 |         | MID       | Q16        | 19.82 | 20.40 | 19.99 | 21.50              |
|                                 |         | HIGH      | Q16        | 19.84 | 20.42 | 20.01 | 21.50              |
|                                 | 25      | LOW       | Q16        | 19.92 | 19.95 | 20.00 | 21.50              |
|                                 |         | MID       | Q16        | 19.94 | 20.10 | 19.90 | 21.50              |
| 5                               | 1       | LOW       | Q16        | 19.92 | 19.97 | 19.95 | 21.50              |
|                                 | 12      | LOW       | Q16        | 19.80 | 20.01 | 19.91 | 21.50              |
|                                 |         | MID       | Q16        | 19.80 | 20.37 | 20.01 | 21.50              |
|                                 |         | HIGH      | Q16        | 19.82 | 20.62 | 19.78 | 21.50              |
|                                 | 25      | LOW       | Q16        | 19.75 | 20.21 | 19.67 | 21.50              |
|                                 |         | MID       | Q16        | 19.95 | 19.92 | 20.09 | 21.50              |
| 5                               | 1       | LOW       | Q16        | 20.07 | 20.02 | 19.80 | 21.50              |
|                                 | 12      | LOW       | Q16        | 20.09 | 19.98 | 20.14 | 21.50              |
|                                 |         | MID       | Q16        | 20.09 | 19.98 | 20.14 | 21.50              |
|                                 | 25      | LOW       | Q16        | 20.09 | 19.98 | 20.14 | 21.50              |
|                                 |         | MID       | Q16        | 20.09 | 19.98 | 20.14 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.09 | 19.98 | 20.14 | 21.50              |
| 5                               | 1       | LOW       | Q16        | 19.97 | 20.18 | 19.76 | 21.50              |
|                                 | 12      | LOW       | Q16        | 19.97 | 20.18 | 19.76 | 21.50              |
|                                 |         | MID       | Q16        | 19.97 | 20.18 | 19.76 | 21.50              |
|                                 | 25      | LOW       | Q16        | 19.97 | 20.18 | 19.76 | 21.50              |
|                                 |         | MID       | Q16        | 19.97 | 20.18 | 19.76 | 21.50              |
|                                 |         | HIGH      | Q16        | 19.97 | 20.18 | 19.76 | 21.50              |
| Bandwidth (MHz)                 | RB Size | RB offset | Modulation | 23060 | 23095 | 23130 | Tune-up power(dBm) |
| 10                              | 1       | LOW       | QPSK       | 19.99 | 19.92 | 19.95 | 21.50              |
|                                 |         | MID       | QPSK       | 19.80 | 19.88 | 19.83 | 21.50              |
|                                 |         | HIGH      | QPSK       | 19.95 | 19.92 | 19.87 | 21.50              |
|                                 | 25      | LOW       | QPSK       | 19.90 | 19.90 | 19.83 | 21.50              |
|                                 |         | MID       | QPSK       | 19.93 | 19.91 | 19.92 | 21.50              |
|                                 |         | HIGH      | QPSK       | 20.02 | 20.07 | 20.05 | 21.50              |
| 10                              | 1       | LOW       | QPSK       | 19.90 | 20.04 | 19.91 | 21.50              |
|                                 | 25      | LOW       | QPSK       | 19.90 | 20.04 | 19.91 | 21.50              |
|                                 |         | MID       | QPSK       | 19.90 | 20.04 | 19.91 | 21.50              |
|                                 | 50      | LOW       | QPSK       | 19.90 | 20.04 | 19.91 | 21.50              |
|                                 |         | MID       | QPSK       | 19.90 | 20.04 | 19.91 | 21.50              |
|                                 |         | HIGH      | QPSK       | 19.90 | 20.04 | 19.91 | 21.50              |
| 10                              | 1       | LOW       | Q16        | 19.77 | 20.38 | 20.02 | 21.50              |
|                                 | 25      | LOW       | Q16        | 19.86 | 20.47 | 20.12 | 21.50              |
|                                 |         | MID       | Q16        | 19.86 | 20.31 | 19.87 | 21.50              |
|                                 | 50      | LOW       | Q16        | 20.00 | 19.99 | 20.02 | 21.50              |
|                                 |         | MID       | Q16        | 20.08 | 20.06 | 19.96 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.12 | 20.02 | 20.16 | 21.50              |
| 10                              | 1       | LOW       | Q16        | 20.03 | 19.98 | 19.99 | 21.50              |
|                                 | 25      | LOW       | Q16        | 20.03 | 19.98 | 19.99 | 21.50              |
|                                 |         | MID       | Q16        | 20.03 | 19.98 | 19.99 | 21.50              |
|                                 | 50      | LOW       | Q16        | 20.03 | 19.98 | 19.99 | 21.50              |
|                                 |         | MID       | Q16        | 20.03 | 19.98 | 19.99 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.03 | 19.98 | 19.99 | 21.50              |
| 10                              | 1       | LOW       | Q16        | 20.03 | 19.97 | 20.07 | 21.50              |
|                                 | 25      | LOW       | Q16        | 20.03 | 19.97 | 20.07 | 21.50              |
|                                 |         | MID       | Q16        | 20.03 | 19.97 | 20.07 | 21.50              |
|                                 | 50      | LOW       | Q16        | 20.03 | 19.97 | 20.07 | 21.50              |
|                                 |         | MID       | Q16        | 20.03 | 19.97 | 20.07 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.03 | 19.97 | 20.07 | 21.50              |

## 8.4.6 LTE Band13 Output Power

| LTE B13-Full Power -Ant.0 |         |           |            |       |       |       |                    |
|---------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 23205 | 23230 | 23255 | Tune-up power(dBm) |
| 5                         | 1       | LOW       | QPSK       | 23.18 | 23.28 | 23.09 | 24.50              |
|                           |         | MID       | QPSK       | 23.24 | 23.31 | 23.06 | 24.50              |
|                           |         | HIGH      | QPSK       | 23.02 | 23.00 | 23.04 | 24.50              |
|                           | 12      | LOW       | QPSK       | 22.41 | 22.24 | 22.28 | 23.50              |
|                           |         | MID       | QPSK       | 22.29 | 22.38 | 22.19 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.32 | 22.04 | 22.29 | 23.50              |
| 25                        | LOW     | QPSK      | 22.24      | 22.30 | 22.25 | 23.50 |                    |
| 5                         | 1       | LOW       | Q16        | 22.73 | 22.53 | 22.66 | 23.50              |
|                           |         | MID       | Q16        | 22.58 | 22.64 | 22.59 | 23.50              |
|                           |         | HIGH      | Q16        | 22.87 | 22.70 | 22.91 | 23.50              |
|                           | 12      | LOW       | Q16        | 21.35 | 21.33 | 21.30 | 22.50              |
|                           |         | MID       | Q16        | 21.17 | 21.38 | 21.29 | 22.50              |
|                           |         | HIGH      | Q16        | 21.66 | 21.49 | 21.37 | 22.50              |
| 25                        | LOW     | Q16       | 21.41      | 21.35 | 21.35 | 22.50 |                    |
| 5                         | 1       | LOW       | 64QAM      | 21.60 | 21.71 | 21.67 | 22.50              |
|                           |         | MID       | 64QAM      | 21.63 | 21.56 | 21.64 | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.82 | 21.71 | 21.76 | 22.50              |
|                           | 12      | LOW       | 64QAM      | 20.38 | 20.30 | 20.27 | 21.50              |
|                           |         | MID       | 64QAM      | 20.27 | 20.08 | 20.37 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.23 | 20.29 | 20.39 | 21.50              |
| 25                        | LOW     | 64QAM     | 20.12      | 20.30 | 20.26 | 21.50 |                    |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 23230 |       |       | Tune-up power(dBm) |
| 10                        | 1       | LOW       | QPSK       | /     | 23.23 | /     | 24.50              |
|                           |         | MID       | QPSK       | /     | 23.18 | /     | 24.50              |
|                           |         | HIGH      | QPSK       | /     | 23.15 | /     | 24.50              |
|                           | 25      | LOW       | QPSK       | /     | 22.26 | /     | 23.50              |
|                           |         | MID       | QPSK       | /     | 22.41 | /     | 23.50              |
|                           |         | HIGH      | QPSK       | /     | 22.13 | /     | 23.50              |
| 50                        | LOW     | QPSK      | /          | 22.31 | /     | 23.50 |                    |
| 10                        | 1       | LOW       | Q16        | /     | 22.63 | /     | 23.50              |
|                           |         | MID       | Q16        | /     | 22.58 | /     | 23.50              |
|                           |         | HIGH      | Q16        | /     | 22.55 | /     | 23.50              |
|                           | 25      | LOW       | Q16        | /     | 21.40 | /     | 22.50              |
|                           |         | MID       | Q16        | /     | 21.27 | /     | 22.50              |
|                           |         | HIGH      | Q16        | /     | 21.52 | /     | 22.50              |
| 50                        | LOW     | Q16       | /          | 21.35 | /     | 22.50 |                    |
| 10                        | 1       | LOW       | 64QAM      | /     | 21.60 | /     | 22.50              |
|                           |         | MID       | 64QAM      | /     | 21.58 | /     | 22.50              |
|                           |         | HIGH      | 64QAM      | /     | 21.61 | /     | 22.50              |
|                           | 25      | LOW       | 64QAM      | /     | 20.27 | /     | 21.50              |
|                           |         | MID       | 64QAM      | /     | 20.23 | /     | 21.50              |
|                           |         | HIGH      | 64QAM      | /     | 20.24 | /     | 21.50              |
| 50                        | LOW     | 64QAM     | /          | 20.21 | /     | 21.50 |                    |

## 8.4.6 LTE Band13 Output Power

| LTE B13-Full Power -Ant.0(ENDC) |         |           |            |       |       |       |                    |
|---------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                 | RB Size | RB offset | Modulation | 23205 | 23230 | 23255 | Tune-up power(dBm) |
| 5                               | 1       | LOW       | QPSK       | 20.22 | 20.31 | 20.00 | 21.50              |
|                                 |         | MID       | QPSK       | 20.21 | 20.37 | 20.03 | 21.50              |
|                                 |         | HIGH      | QPSK       | 19.88 | 20.01 | 19.90 | 21.50              |
|                                 | 12      | LOW       | QPSK       | 20.44 | 20.09 | 20.36 | 21.50              |
|                                 |         | MID       | QPSK       | 20.35 | 20.31 | 20.24 | 21.50              |
|                                 |         | HIGH      | QPSK       | 20.17 | 20.07 | 20.37 | 21.50              |
|                                 | 25      | LOW       | QPSK       | 20.12 | 20.30 | 20.10 | 21.50              |
| 5                               | 1       | LOW       | Q16        | 20.78 | 20.39 | 20.54 | 21.50              |
|                                 |         | MID       | Q16        | 20.56 | 20.59 | 20.53 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.84 | 20.73 | 20.82 | 21.50              |
|                                 | 12      | LOW       | Q16        | 20.29 | 20.26 | 20.30 | 21.50              |
|                                 |         | MID       | Q16        | 20.19 | 20.33 | 20.20 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.57 | 20.45 | 20.44 | 21.50              |
|                                 | 25      | LOW       | Q16        | 20.44 | 20.34 | 20.35 | 21.50              |
| 5                               | 1       | LOW       | 64QAM      | 20.46 | 20.65 | 20.57 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.63 | 20.48 | 20.55 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.70 | 20.59 | 20.75 | 21.50              |
|                                 | 12      | LOW       | 64QAM      | 20.35 | 20.37 | 20.14 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.18 | 20.11 | 20.40 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.24 | 20.36 | 20.31 | 21.50              |
|                                 | 25      | LOW       | 64QAM      | 19.97 | 20.33 | 20.15 | 21.50              |
| Bandwidth (MHz)                 | RB Size | RB offset | Modulation | 23230 |       |       | Tune-up power(dBm) |
| 10                              | 1       | LOW       | QPSK       | /     | 20.10 | /     | 21.50              |
|                                 |         | MID       | QPSK       | /     | 20.25 | /     | 21.50              |
|                                 |         | HIGH      | QPSK       | /     | 20.05 | /     | 21.50              |
|                                 | 25      | LOW       | QPSK       | /     | 20.22 | /     | 21.50              |
|                                 |         | MID       | QPSK       | /     | 20.43 | /     | 21.50              |
|                                 |         | HIGH      | QPSK       | /     | 20.17 | /     | 21.50              |
|                                 | 50      | LOW       | QPSK       | /     | 20.19 | /     | 21.50              |
| 10                              | 1       | LOW       | Q16        | /     | 20.65 | /     | 21.50              |
|                                 |         | MID       | Q16        | /     | 20.51 | /     | 21.50              |
|                                 |         | HIGH      | Q16        | /     | 20.56 | /     | 21.50              |
|                                 | 25      | LOW       | Q16        | /     | 20.35 | /     | 21.50              |
|                                 |         | MID       | Q16        | /     | 20.35 | /     | 21.50              |
|                                 |         | HIGH      | Q16        | /     | 20.43 | /     | 21.50              |
|                                 | 50      | LOW       | Q16        | /     | 20.40 | /     | 21.50              |
| 10                              | 1       | LOW       | 64QAM      | /     | 20.61 | /     | 21.50              |
|                                 |         | MID       | 64QAM      | /     | 20.48 | /     | 21.50              |
|                                 |         | HIGH      | 64QAM      | /     | 20.46 | /     | 21.50              |
|                                 | 25      | LOW       | 64QAM      | /     | 20.34 | /     | 21.50              |
|                                 |         | MID       | 64QAM      | /     | 20.11 | /     | 21.50              |
|                                 |         | HIGH      | 64QAM      | /     | 20.20 | /     | 21.50              |
|                                 | 50      | LOW       | 64QAM      | /     | 20.27 | /     | 21.50              |

### 8.4.7 LTE Band14 Output Power

| Bandwidth (MHz) | RB Size | RB offset | Modulation | 23305 | 23300 | 23355 | Tune-up power(dBm) |
|-----------------|---------|-----------|------------|-------|-------|-------|--------------------|
| 5               | 1       | LOW       | QPSK       | 23.53 | 23.41 | 23.29 | 24.50              |
|                 |         | MID       | QPSK       | 23.32 | 23.27 | 23.21 | 24.50              |
|                 |         | HIGH      | QPSK       | 23.03 | 23.25 | 23.19 | 24.50              |
|                 | 12      | LOW       | QPSK       | 22.35 | 22.38 | 22.26 | 23.50              |
|                 |         | MID       | QPSK       | 22.43 | 22.31 | 22.38 | 23.50              |
|                 |         | HIGH      | QPSK       | 22.32 | 22.49 | 22.23 | 23.50              |
|                 | 25      | LOW       | QPSK       | 22.32 | 22.21 | 22.32 | 23.50              |
| 5               | 1       | LOW       | Q16        | 22.52 | 22.41 | 22.56 | 23.50              |
|                 |         | MID       | Q16        | 22.32 | 22.63 | 22.69 | 23.50              |
|                 |         | HIGH      | Q16        | 22.59 | 22.62 | 22.77 | 23.50              |
|                 | 12      | LOW       | Q16        | 20.98 | 21.13 | 21.20 | 22.50              |
|                 |         | MID       | Q16        | 21.17 | 20.99 | 21.20 | 22.50              |
|                 |         | HIGH      | Q16        | 21.05 | 20.97 | 21.24 | 22.50              |
|                 | 25      | LOW       | Q16        | 21.23 | 21.34 | 21.28 | 22.50              |
| 5               | 1       | LOW       | 64QAM      | 21.29 | 21.30 | 21.51 | 22.50              |
|                 |         | MID       | 64QAM      | 21.42 | 21.56 | 21.32 | 22.50              |
|                 |         | HIGH      | 64QAM      | 21.46 | 21.21 | 21.55 | 22.50              |
|                 | 12      | LOW       | 64QAM      | 19.82 | 19.96 | 20.00 | 21.50              |
|                 |         | MID       | 64QAM      | 20.15 | 19.89 | 19.80 | 21.50              |
|                 |         | HIGH      | 64QAM      | 20.01 | 19.91 | 20.12 | 21.50              |
|                 | 25      | LOW       | 64QAM      | 20.30 | 20.47 | 20.29 | 21.50              |
| Bandwidth (MHz) | RB Size | RB offset | Modulation | 23300 |       |       | Tune-up power(dBm) |
| 10              | 1       | LOW       | QPSK       | /     | 23.42 | /     | 24.50              |
|                 |         | MID       | QPSK       | /     | 23.32 | /     | 24.50              |
|                 |         | HIGH      | QPSK       | /     | 23.18 | /     | 24.50              |
|                 | 25      | LOW       | QPSK       | /     | 22.29 | /     | 23.50              |
|                 |         | MID       | QPSK       | /     | 22.34 | /     | 23.50              |
|                 |         | HIGH      | QPSK       | /     | 22.39 | /     | 23.50              |
| 50              | LOW     | QPSK      | /          | 22.23 | /     | 23.50 |                    |
| 10              | 1       | LOW       | Q16        | /     | 22.54 | /     | 23.50              |
|                 |         | MID       | Q16        | /     | 22.69 | /     | 23.50              |
|                 |         | HIGH      | Q16        | /     | 22.68 | /     | 23.50              |
|                 | 25      | LOW       | Q16        | /     | 21.08 | /     | 22.50              |
|                 |         | MID       | Q16        | /     | 21.09 | /     | 22.50              |
|                 |         | HIGH      | Q16        | /     | 20.93 | /     | 22.50              |
|                 | 50      | LOW       | Q16        | /     | 21.21 | /     | 22.50              |
| 10              | 1       | LOW       | 64QAM      | /     | 21.41 | /     | 22.50              |
|                 |         | MID       | 64QAM      | /     | 21.48 | /     | 22.50              |
|                 |         | HIGH      | 64QAM      | /     | 21.33 | /     | 22.50              |
|                 | 25      | LOW       | 64QAM      | /     | 19.97 | /     | 21.50              |
|                 |         | MID       | 64QAM      | /     | 19.92 | /     | 21.50              |
|                 |         | HIGH      | 64QAM      | /     | 19.85 | /     | 21.50              |
|                 | 50      | LOW       | 64QAM      | /     | 20.34 | /     | 21.50              |

## 8.4.7 LTE Band14 Output Power

| LTE B14-Full Power -Ant.0(ENDC) |         |           |            |       |       |       |                    |
|---------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                 | RB Size | RB offset | Modulation | 23305 | 23300 | 23355 | Tune-up power(dBm) |
| 5                               | 1       | LOW       | QPSK       | 20.50 | 20.36 | 20.31 | 21.50              |
|                                 |         | MID       | QPSK       | 20.36 | 20.29 | 20.26 | 21.50              |
|                                 |         | HIGH      | QPSK       | 19.99 | 20.21 | 20.13 | 21.50              |
|                                 | 12      | LOW       | QPSK       | 20.24 | 20.38 | 20.18 | 21.50              |
|                                 |         | MID       | QPSK       | 20.45 | 20.25 | 20.42 | 21.50              |
|                                 |         | HIGH      | QPSK       | 20.23 | 20.51 | 20.20 | 21.50              |
|                                 | 25      | LOW       | QPSK       | 20.27 | 20.06 | 20.31 | 21.50              |
| 5                               | 1       | LOW       | Q16        | 20.52 | 20.38 | 20.61 | 21.50              |
|                                 |         | MID       | Q16        | 20.18 | 20.62 | 20.72 | 21.50              |
|                                 |         | HIGH      | Q16        | 20.61 | 20.49 | 20.82 | 21.50              |
|                                 | 12      | LOW       | Q16        | 19.97 | 20.10 | 20.16 | 21.50              |
|                                 |         | MID       | Q16        | 20.15 | 19.91 | 20.12 | 21.50              |
|                                 |         | HIGH      | Q16        | 19.92 | 19.82 | 20.18 | 21.50              |
|                                 | 25      | LOW       | Q16        | 20.19 | 20.40 | 20.24 | 21.50              |
| 5                               | 1       | LOW       | 64QAM      | 20.17 | 20.38 | 20.43 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.38 | 20.54 | 20.22 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 20.50 | 20.21 | 20.41 | 21.50              |
|                                 | 12      | LOW       | 64QAM      | 19.82 | 19.93 | 19.86 | 21.50              |
|                                 |         | MID       | 64QAM      | 20.17 | 19.89 | 19.81 | 21.50              |
|                                 |         | HIGH      | 64QAM      | 19.87 | 19.84 | 20.01 | 21.50              |
|                                 | 25      | LOW       | 64QAM      | 20.28 | 20.51 | 20.19 | 21.50              |
| Bandwidth (MHz)                 | RB Size | RB offset | Modulation | 23300 |       |       | Tune-up power(dBm) |
| 10                              | 1       | LOW       | QPSK       | /     | 20.41 | /     | 21.50              |
|                                 |         | MID       | QPSK       | /     | 20.25 | /     | 21.50              |
|                                 |         | HIGH      | QPSK       | /     | 20.19 | /     | 21.50              |
|                                 | 25      | LOW       | QPSK       | /     | 20.33 | /     | 21.50              |
|                                 |         | MID       | QPSK       | /     | 20.19 | /     | 21.50              |
|                                 |         | HIGH      | QPSK       | /     | 20.29 | /     | 21.50              |
|                                 | 50      | LOW       | QPSK       | /     | 20.19 | /     | 21.50              |
| 10                              | 1       | LOW       | Q16        | /     | 20.42 | /     | 21.50              |
|                                 |         | MID       | Q16        | /     | 20.55 | /     | 21.50              |
|                                 |         | HIGH      | Q16        | /     | 20.70 | /     | 21.50              |
|                                 | 25      | LOW       | Q16        | /     | 20.09 | /     | 21.50              |
|                                 |         | MID       | Q16        | /     | 20.05 | /     | 21.50              |
|                                 |         | HIGH      | Q16        | /     | 19.89 | /     | 21.50              |
|                                 | 50      | LOW       | Q16        | /     | 20.19 | /     | 21.50              |
| 10                              | 1       | LOW       | 64QAM      | /     | 20.40 | /     | 21.50              |
|                                 |         | MID       | 64QAM      | /     | 20.47 | /     | 21.50              |
|                                 |         | HIGH      | 64QAM      | /     | 20.30 | /     | 21.50              |
|                                 | 25      | LOW       | 64QAM      | /     | 19.83 | /     | 21.50              |
|                                 |         | MID       | 64QAM      | /     | 19.87 | /     | 21.50              |
|                                 |         | HIGH      | 64QAM      | /     | 19.90 | /     | 21.50              |
|                                 | 50      | LOW       | 64QAM      | /     | 20.41 | /     | 21.50              |

## 8.4.8 LTE Band17 Output Power

| LTE B17-Full Power -Ant.0 |         |           |            |       |       |       |                    |
|---------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 23755 | 23790 | 23825 | Tune-up power(dBm) |
| 5                         | 1       | LOW       | QPSK       | 22.81 | 22.87 | 23.03 | 24.50              |
|                           |         | MID       | QPSK       | 22.95 | 22.85 | 22.92 | 24.50              |
|                           |         | HIGH      | QPSK       | 22.95 | 22.81 | 22.87 | 24.50              |
|                           | 12      | LOW       | QPSK       | 21.92 | 22.08 | 21.80 | 23.50              |
|                           |         | MID       | QPSK       | 21.94 | 22.14 | 22.10 | 23.50              |
|                           |         | HIGH      | QPSK       | 21.97 | 21.96 | 22.10 | 23.50              |
|                           | 25      | LOW       | QPSK       | 22.06 | 22.08 | 22.03 | 23.50              |
| 5                         | 1       | LOW       | Q16        | 21.90 | 22.37 | 21.93 | 23.50              |
|                           |         | MID       | Q16        | 21.66 | 22.24 | 21.94 | 23.50              |
|                           |         | HIGH      | Q16        | 21.70 | 22.50 | 22.06 | 23.50              |
|                           | 12      | LOW       | Q16        | 20.97 | 20.97 | 21.04 | 22.50              |
|                           |         | MID       | Q16        | 21.17 | 21.10 | 21.17 | 22.50              |
|                           |         | HIGH      | Q16        | 21.04 | 20.92 | 21.10 | 22.50              |
|                           | 25      | LOW       | Q16        | 21.01 | 21.10 | 20.94 | 22.50              |
| 5                         | 1       | LOW       | 64QAM      | 21.00 | 21.49 | 20.85 | 22.50              |
|                           |         | MID       | 64QAM      | 20.76 | 21.46 | 21.23 | 22.50              |
|                           |         | HIGH      | 64QAM      | 20.82 | 21.47 | 21.04 | 22.50              |
|                           | 12      | LOW       | 64QAM      | 20.07 | 20.34 | 20.00 | 21.50              |
|                           |         | MID       | 64QAM      | 20.07 | 20.04 | 20.14 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.24 | 20.01 | 20.07 | 21.50              |
|                           | 25      | LOW       | 64QAM      | 19.91 | 19.88 | 19.78 | 21.50              |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 23780 | 23790 | 23800 | Tune-up power(dBm) |
| 10                        | 1       | LOW       | QPSK       | 22.93 | 22.89 | 22.94 | 24.50              |
|                           |         | MID       | QPSK       | 22.87 | 22.95 | 22.95 | 24.50              |
|                           |         | HIGH      | QPSK       | 22.85 | 22.85 | 22.83 | 24.50              |
|                           | 25      | LOW       | QPSK       | 22.01 | 21.97 | 21.95 | 23.50              |
|                           |         | MID       | QPSK       | 22.03 | 22.05 | 22.05 | 23.50              |
|                           |         | HIGH      | QPSK       | 21.92 | 21.93 | 22.00 | 23.50              |
| 10                        | 50      | LOW       | QPSK       | 22.00 | 21.96 | 21.96 | 23.50              |
|                           | 1       | LOW       | Q16        | 21.88 | 22.45 | 21.98 | 23.50              |
|                           |         | MID       | Q16        | 21.80 | 22.34 | 22.00 | 23.50              |
|                           |         | HIGH      | Q16        | 21.77 | 22.36 | 21.95 | 23.50              |
|                           | 25      | LOW       | Q16        | 21.03 | 21.06 | 21.05 | 22.50              |
|                           |         | MID       | Q16        | 21.08 | 21.04 | 21.15 | 22.50              |
|                           |         | HIGH      | Q16        | 21.05 | 20.95 | 21.03 | 22.50              |
|                           | 50      | LOW       | Q16        | 21.02 | 20.99 | 20.97 | 22.50              |
| 10                        | 1       | LOW       | 64QAM      | 20.91 | 21.53 | 20.94 | 22.50              |
|                           |         | MID       | 64QAM      | 20.69 | 21.34 | 21.09 | 22.50              |
|                           |         | HIGH      | 64QAM      | 20.72 | 21.46 | 20.94 | 22.50              |
|                           | 25      | LOW       | 64QAM      | 19.99 | 20.21 | 20.13 | 21.50              |
|                           |         | MID       | 64QAM      | 20.00 | 20.08 | 20.05 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.15 | 19.98 | 20.13 | 21.50              |
|                           | 50      | LOW       | 64QAM      | 19.98 | 19.84 | 19.91 | 21.50              |



## 8.4.9 LTE Band25 Output Power

| LTE B25-Full Power -Ant.2 |         |           |            |           |       |       |                    |
|---------------------------|---------|-----------|------------|-----------|-------|-------|--------------------|
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 26047     | 26365 | 26683 | Tune-up power(dBm) |
| 1.4                       | 1       | LOW       | QPSK       | 23.58     | 23.64 | 23.74 | 24.50              |
|                           |         | MID       | QPSK       | 23.50     | 23.53 | 23.65 | 24.50              |
|                           |         | HIGH      | QPSK       | 23.51     | 23.49 | 23.50 | 24.50              |
|                           | 3       | LOW       | QPSK       | 23.63     | 23.73 | 23.62 | 24.50              |
|                           |         | MID       | QPSK       | 23.66     | 23.40 | 23.73 | 24.50              |
|                           |         | HIGH      | QPSK       | 23.53     | 23.46 | 23.43 | 24.50              |
|                           | 6       | LOW       | QPSK       | 22.53     | 22.55 | 22.66 | 23.50              |
| 1.4                       | 1       | LOW       | Q16        | 22.76     | 22.81 | 22.54 | 23.50              |
|                           |         | MID       | Q16        | 22.62     | 22.84 | 22.54 | 23.50              |
|                           |         | HIGH      | Q16        | 22.99     | 22.70 | 23.01 | 23.50              |
|                           | 3       | LOW       | Q16        | 22.48     | 22.64 | 22.48 | 23.50              |
|                           |         | MID       | Q16        | 22.71     | 22.65 | 22.69 | 23.50              |
|                           |         | HIGH      | Q16        | 22.97     | 22.95 | 22.78 | 23.50              |
|                           | 6       | LOW       | Q16        | 21.56     | 21.58 | 21.67 | 22.50              |
| 1.4                       | 1       | LOW       | 64QAM      | 21.81     | 21.86 | 21.58 | 22.50              |
|                           |         | MID       | 64QAM      | 21.77     | 21.72 | 21.53 | 22.50              |
|                           |         | HIGH      | 64QAM      | 22.05     | 21.67 | 21.89 | 22.50              |
|                           | 3       | LOW       | 64QAM      | 21.46     | 21.73 | 21.57 | 22.50              |
|                           |         | MID       | 64QAM      | 21.58     | 21.78 | 21.66 | 22.50              |
|                           |         | HIGH      | 64QAM      | 22.03     | 22.06 | 21.81 | 22.50              |
|                           | 6       | LOW       | 64QAM      | 20.52     | 20.60 | 20.52 | 21.50              |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 26055     | 26365 | 26675 | Tune-up power(dBm) |
| 3                         | 1       | LOW       | QPSK       | 23.63     | 23.51 | 23.76 | 24.50              |
|                           |         | MID       | QPSK       | 23.50     | 23.66 | 23.73 | 24.50              |
|                           |         | HIGH      | QPSK       | 23.59     | 23.43 | 23.60 | 24.50              |
|                           | 8       | LOW       | QPSK       | 22.89     | 22.75 | 22.87 | 23.50              |
|                           |         | MID       | QPSK       | 22.69     | 22.76 | 22.62 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.68     | 22.52 | 22.91 | 23.50              |
|                           | 15      | LOW       | QPSK       | 22.46     | 22.75 | 22.54 | 23.50              |
| 3                         | 1       | LOW       | Q16        | 22.67     | 22.87 | 22.66 | 23.50              |
|                           |         | MID       | Q16        | 22.78     | 22.73 | 22.76 | 23.50              |
|                           |         | HIGH      | Q16        | 23.05     | 22.86 | 22.91 | 23.50              |
|                           | 8       | LOW       | Q16        | 21.38     | 21.47 | 21.64 | 22.50              |
|                           |         | MID       | Q16        | 21.35     | 21.59 | 21.55 | 22.50              |
|                           |         | HIGH      | Q16        | 21.60     | 21.54 | 21.66 | 22.50              |
|                           | 15      | LOW       | Q16        | 21.70     | 21.69 | 21.61 | 22.50              |
| 3                         | 1       | LOW       | 64QAM      | 22.05     | 22.02 | 21.78 | 22.50              |
|                           |         | MID       | 64QAM      | 22.08     | 21.94 | 22.10 | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.69     | 21.90 | 22.07 | 22.50              |
|                           | 8       | LOW       | 64QAM      | 20.53     | 20.68 | 20.76 | 21.50              |
|                           |         | MID       | 64QAM      | 20.92     | 20.73 | 20.77 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.78     | 20.69 | 20.72 | 21.50              |
|                           | 15      | LOW       | 64QAM      | 20.56     | 20.83 | 20.98 | 21.50              |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 26065     | 26365 | 26665 | Tune-up power(dBm) |
| 5                         | 1       | LOW       | QPSK       | 23.69     | 23.47 | 23.67 | 24.50              |
|                           |         | MID       | QPSK       | 23.44     | 23.56 | 23.50 | 24.50              |
|                           |         | HIGH      | QPSK       | 23.50     | 23.67 | 23.58 | 24.50              |
|                           | 12      | LOW       | QPSK       | 22.64     | 22.67 | 22.64 | 23.50              |
|                           |         | MID       | QPSK       | 22.86     | 22.69 | 22.78 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.72     | 22.72 | 22.87 | 23.50              |
|                           | 25      | LOW       | QPSK       | 22.65     | 22.68 | 22.79 | 23.50              |
| 5                         | 1       | LOW       | Q16        | 22.50     | 22.67 | 22.69 | 23.50              |
|                           |         | MID       | Q16        | 22.55     | 22.81 | 22.51 | 23.50              |
|                           |         | HIGH      | Q16        | 22.75     | 22.76 | 22.75 | 23.50              |
|                           | 12      | LOW       | Q16        | 21.40     | 21.57 | 21.60 | 22.50              |
|                           |         | MID       | Q16        | 21.46     | 21.54 | 21.65 | 22.50              |
|                           |         | HIGH      | Q16        | 21.52     | 21.48 | 21.57 | 22.50              |
|                           | 25      | LOW       | Q16        | 21.71     | 21.61 | 21.65 | 22.50              |
| 5                         | 1       | LOW       | 64QAM      | 22.03     | 21.95 | 21.79 | 22.50              |
|                           |         | MID       | 64QAM      | 22.02     | 22.02 | 21.97 | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.81     | 21.91 | 22.05 | 22.50              |
|                           | 12      | LOW       | 64QAM      | 20.69     | 20.69 | 20.83 | 21.50              |
|                           |         | MID       | 64QAM      | 20.80     | 20.97 | 20.60 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.70     | 20.86 | 20.88 | 21.50              |
|                           | 25      | LOW       | 64QAM      | 20.41/137 | 20.77 | 20.63 | 21.50              |

| LTE B25-Full Power -Ant.2 |         |           |            |       |       |       |                    |
|---------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 26090 | 26365 | 26640 | Tune-up power(dBm) |
| 10                        | 1       | LOW       | QPSK       | 23.54 | 23.70 | 23.70 | 24.50              |
|                           |         | MID       | QPSK       | 23.68 | 23.62 | 23.47 | 24.50              |
|                           |         | HIGH      | QPSK       | 23.59 | 23.65 | 23.50 | 24.50              |
|                           | 25      | LOW       | QPSK       | 22.88 | 22.68 | 22.63 | 23.50              |
|                           |         | MID       | QPSK       | 22.71 | 22.83 | 22.60 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.83 | 22.54 | 22.78 | 23.50              |
|                           | 50      | LOW       | QPSK       | 22.60 | 22.54 | 22.59 | 23.50              |
| 10                        | 1       | LOW       | Q16        | 22.74 | 22.65 | 22.63 | 23.50              |
|                           |         | MID       | Q16        | 22.63 | 22.72 | 22.63 | 23.50              |
|                           |         | HIGH      | Q16        | 22.80 | 22.82 | 22.95 | 23.50              |
|                           | 25      | LOW       | Q16        | 21.28 | 21.57 | 21.71 | 22.50              |
|                           |         | MID       | Q16        | 21.52 | 21.67 | 21.52 | 22.50              |
|                           |         | HIGH      | Q16        | 21.59 | 21.28 | 21.45 | 22.50              |
|                           | 50      | LOW       | Q16        | 21.46 | 21.79 | 21.54 | 22.50              |
| 10                        | 1       | LOW       | 64QAM      | 21.91 | 21.91 | 21.83 | 22.50              |
|                           |         | MID       | 64QAM      | 22.01 | 22.03 | 22.06 | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.88 | 21.87 | 21.80 | 22.50              |
|                           | 25      | LOW       | 64QAM      | 20.66 | 20.73 | 20.90 | 21.50              |
|                           |         | MID       | 64QAM      | 20.74 | 20.90 | 20.77 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.86 | 20.68 | 20.76 | 21.50              |
|                           | 50      | LOW       | 64QAM      | 20.65 | 20.64 | 20.91 | 21.50              |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 26115 | 26365 | 26615 | Tune-up power(dBm) |
| 15                        | 1       | LOW       | QPSK       | 23.67 | 23.44 | 23.82 | 24.50              |
|                           |         | MID       | QPSK       | 23.42 | 23.66 | 23.52 | 24.50              |
|                           |         | HIGH      | QPSK       | 23.47 | 23.66 | 23.68 | 24.50              |
|                           | 36      | LOW       | QPSK       | 22.80 | 22.75 | 22.81 | 23.50              |
|                           |         | MID       | QPSK       | 22.78 | 22.75 | 22.86 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.72 | 22.63 | 22.87 | 23.50              |
|                           | 75      | LOW       | QPSK       | 22.63 | 22.70 | 22.76 | 23.50              |
| 15                        | 1       | LOW       | Q16        | 22.54 | 22.81 | 22.53 | 23.50              |
|                           |         | MID       | Q16        | 22.67 | 22.82 | 22.61 | 23.50              |
|                           |         | HIGH      | Q16        | 22.83 | 22.84 | 22.89 | 23.50              |
|                           | 36      | LOW       | Q16        | 21.27 | 21.54 | 21.68 | 22.50              |
|                           |         | MID       | Q16        | 21.54 | 21.68 | 21.50 | 22.50              |
|                           |         | HIGH      | Q16        | 21.35 | 21.30 | 21.50 | 22.50              |
|                           | 75      | LOW       | Q16        | 21.69 | 21.68 | 21.67 | 22.50              |
| 15                        | 1       | LOW       | 64QAM      | 22.15 | 21.99 | 21.84 | 22.50              |
|                           |         | MID       | 64QAM      | 22.08 | 21.94 | 21.87 | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.68 | 21.67 | 21.99 | 22.50              |
|                           | 36      | LOW       | 64QAM      | 20.66 | 20.62 | 20.83 | 21.50              |
|                           |         | MID       | 64QAM      | 20.71 | 20.85 | 20.66 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.81 | 20.58 | 20.86 | 21.50              |
|                           | 75      | LOW       | 64QAM      | 20.75 | 20.74 | 20.93 | 21.50              |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 26140 | 26365 | 26590 | Tune-up power(dBm) |
| 20                        | 1       | LOW       | QPSK       | 23.65 | 23.69 | 23.61 | 24.50              |
|                           |         | MID       | QPSK       | 23.55 | 23.51 | 23.58 | 24.50              |
|                           |         | HIGH      | QPSK       | 23.54 | 23.54 | 23.57 | 24.50              |
|                           | 50      | LOW       | QPSK       | 22.78 | 22.71 | 22.74 | 23.50              |
|                           |         | MID       | QPSK       | 22.76 | 22.79 | 22.72 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.79 | 22.60 | 22.84 | 23.50              |
|                           | 100     | LOW       | QPSK       | 22.53 | 22.68 | 22.68 | 23.50              |
| 20                        | 1       | LOW       | Q16        | 22.62 | 22.76 | 22.63 | 23.50              |
|                           |         | MID       | Q16        | 22.67 | 22.85 | 22.65 | 23.50              |
|                           |         | HIGH      | Q16        | 22.90 | 22.85 | 22.88 | 23.50              |
|                           | 50      | LOW       | Q16        | 21.41 | 21.54 | 21.57 | 22.50              |
|                           |         | MID       | Q16        | 21.47 | 21.58 | 21.58 | 22.50              |
|                           |         | HIGH      | Q16        | 21.48 | 21.42 | 21.53 | 22.50              |
|                           | 100     | LOW       | Q16        | 21.57 | 21.72 | 21.61 | 22.50              |
| 20                        | 1       | LOW       | 64QAM      | 22.02 | 21.89 | 21.81 | 22.50              |
|                           |         | MID       | 64QAM      | 21.93 | 21.94 | 21.98 | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.76 | 21.78 | 21.95 | 22.50              |
|                           | 50      | LOW       | 64QAM      | 20.62 | 20.73 | 20.81 | 21.50              |
|                           |         | MID       | 64QAM      | 20.77 | 20.84 | 20.69 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.80 | 20.72 | 20.76 | 21.50              |
|                           | 100     | LOW       | 64QAM      | 20.70 | 20.78 | 20.84 | 21.50              |

## 8.4.9 LTE Band25 Output Power

| LTE B25-Full Power -Ant.2 (ENDC) |         |           |            |           |       |       |                    |
|----------------------------------|---------|-----------|------------|-----------|-------|-------|--------------------|
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 26047     | 26365 | 26683 | Tune-up power(dBm) |
| 1.4                              | 1       | LOW       | QPSK       | 23.58     | 23.64 | 23.74 | 24.50              |
|                                  |         | MID       | QPSK       | 23.50     | 23.53 | 23.65 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.51     | 23.49 | 23.50 | 24.50              |
|                                  | 3       | LOW       | QPSK       | 23.63     | 23.73 | 23.62 | 24.50              |
|                                  |         | MID       | QPSK       | 23.66     | 23.40 | 23.73 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.53     | 23.46 | 23.43 | 24.50              |
|                                  | 6       | LOW       | QPSK       | 22.53     | 22.55 | 22.66 | 23.50              |
| 1.4                              | 1       | LOW       | Q16        | 22.76     | 22.81 | 22.54 | 23.50              |
|                                  |         | MID       | Q16        | 22.62     | 22.84 | 22.54 | 23.50              |
|                                  |         | HIGH      | Q16        | 22.99     | 22.70 | 23.01 | 23.50              |
|                                  | 3       | LOW       | Q16        | 22.48     | 22.64 | 22.48 | 23.50              |
|                                  |         | MID       | Q16        | 22.71     | 22.65 | 22.69 | 23.50              |
|                                  |         | HIGH      | Q16        | 22.97     | 22.95 | 22.78 | 23.50              |
|                                  | 6       | LOW       | Q16        | 21.56     | 21.58 | 21.67 | 22.50              |
| 1.4                              | 1       | LOW       | 64QAM      | 21.81     | 21.86 | 21.58 | 22.50              |
|                                  |         | MID       | 64QAM      | 21.77     | 21.72 | 21.53 | 22.50              |
|                                  |         | HIGH      | 64QAM      | 22.05     | 21.67 | 21.89 | 22.50              |
|                                  | 3       | LOW       | 64QAM      | 21.46     | 21.73 | 21.57 | 22.50              |
|                                  |         | MID       | 64QAM      | 21.58     | 21.78 | 21.66 | 22.50              |
|                                  |         | HIGH      | 64QAM      | 22.03     | 22.06 | 21.81 | 22.50              |
|                                  | 6       | LOW       | 64QAM      | 20.52     | 20.60 | 20.52 | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 26055     | 26365 | 26675 | Tune-up power(dBm) |
| 3                                | 1       | LOW       | QPSK       | 23.63     | 23.51 | 23.76 | 24.50              |
|                                  |         | MID       | QPSK       | 23.50     | 23.66 | 23.73 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.59     | 23.43 | 23.60 | 24.50              |
|                                  | 8       | LOW       | QPSK       | 22.89     | 22.75 | 22.87 | 23.50              |
|                                  |         | MID       | QPSK       | 22.69     | 22.76 | 22.62 | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.68     | 22.52 | 22.91 | 23.50              |
|                                  | 15      | LOW       | QPSK       | 22.46     | 22.75 | 22.54 | 23.50              |
| 3                                | 1       | LOW       | Q16        | 22.67     | 22.87 | 22.66 | 23.50              |
|                                  |         | MID       | Q16        | 22.78     | 22.73 | 22.76 | 23.50              |
|                                  |         | HIGH      | Q16        | 23.05     | 22.86 | 22.91 | 23.50              |
|                                  | 8       | LOW       | Q16        | 21.38     | 21.47 | 21.64 | 22.50              |
|                                  |         | MID       | Q16        | 21.35     | 21.59 | 21.55 | 22.50              |
|                                  |         | HIGH      | Q16        | 21.60     | 21.54 | 21.66 | 22.50              |
|                                  | 15      | LOW       | Q16        | 21.70     | 21.69 | 21.61 | 22.50              |
| 3                                | 1       | LOW       | 64QAM      | 22.05     | 22.02 | 21.78 | 22.50              |
|                                  |         | MID       | 64QAM      | 22.08     | 21.94 | 22.10 | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.69     | 21.90 | 22.07 | 22.50              |
|                                  | 8       | LOW       | 64QAM      | 20.53     | 20.68 | 20.76 | 21.50              |
|                                  |         | MID       | 64QAM      | 20.92     | 20.73 | 20.77 | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.78     | 20.69 | 20.72 | 21.50              |
|                                  | 15      | LOW       | 64QAM      | 20.56     | 20.83 | 20.98 | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 26065     | 26365 | 26665 | Tune-up power(dBm) |
| 5                                | 1       | LOW       | QPSK       | 23.69     | 23.47 | 23.67 | 24.50              |
|                                  |         | MID       | QPSK       | 23.44     | 23.56 | 23.50 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.50     | 23.67 | 23.58 | 24.50              |
|                                  | 12      | LOW       | QPSK       | 22.64     | 22.67 | 22.64 | 23.50              |
|                                  |         | MID       | QPSK       | 22.86     | 22.69 | 22.78 | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.72     | 22.72 | 22.87 | 23.50              |
|                                  | 25      | LOW       | QPSK       | 22.65     | 22.68 | 22.79 | 23.50              |
| 5                                | 1       | LOW       | Q16        | 22.50     | 22.67 | 22.69 | 23.50              |
|                                  |         | MID       | Q16        | 22.55     | 22.81 | 22.51 | 23.50              |
|                                  |         | HIGH      | Q16        | 22.75     | 22.76 | 22.75 | 23.50              |
|                                  | 12      | LOW       | Q16        | 21.40     | 21.57 | 21.60 | 22.50              |
|                                  |         | MID       | Q16        | 21.46     | 21.54 | 21.65 | 22.50              |
|                                  |         | HIGH      | Q16        | 21.52     | 21.48 | 21.57 | 22.50              |
|                                  | 25      | LOW       | Q16        | 21.71     | 21.61 | 21.65 | 22.50              |
| 5                                | 1       | LOW       | 64QAM      | 22.03     | 21.95 | 21.79 | 22.50              |
|                                  |         | MID       | 64QAM      | 22.02     | 22.02 | 21.97 | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.81     | 21.91 | 22.05 | 22.50              |
|                                  | 12      | LOW       | 64QAM      | 20.69     | 20.69 | 20.83 | 21.50              |
|                                  |         | MID       | 64QAM      | 20.80     | 20.97 | 20.60 | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.70     | 20.86 | 20.88 | 21.50              |
|                                  | 25      | LOW       | 64QAM      | 20.43/137 | 20.77 | 20.63 | 21.50              |

| LTE B25-Full Power -Ant.2 (ENDC) |         |           |            |           |       |       |                    |
|----------------------------------|---------|-----------|------------|-----------|-------|-------|--------------------|
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 26090     | 26365 | 26640 | Tune-up power(dBm) |
| 10                               | 1       | LOW       | QPSK       | 23.54     | 23.70 | 23.70 | 24.50              |
|                                  |         | MID       | QPSK       | 23.68     | 23.62 | 23.47 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.59     | 23.65 | 23.50 | 24.50              |
|                                  | 25      | LOW       | QPSK       | 22.88     | 22.68 | 22.63 | 23.50              |
|                                  |         | MID       | QPSK       | 22.71     | 22.83 | 22.60 | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.83     | 22.54 | 22.78 | 23.50              |
|                                  | 50      | LOW       | QPSK       | 22.60     | 22.54 | 22.59 | 23.50              |
| 10                               | 1       | LOW       | Q16        | 22.74     | 22.65 | 22.63 | 23.50              |
|                                  |         | MID       | Q16        | 22.63     | 22.72 | 22.63 | 23.50              |
|                                  |         | HIGH      | Q16        | 22.80     | 22.82 | 22.95 | 23.50              |
|                                  | 25      | LOW       | Q16        | 21.28     | 21.57 | 21.71 | 22.50              |
|                                  |         | MID       | Q16        | 21.52     | 21.67 | 21.52 | 22.50              |
|                                  |         | HIGH      | Q16        | 21.59     | 21.28 | 21.45 | 22.50              |
|                                  | 50      | LOW       | Q16        | 21.46     | 21.79 | 21.54 | 22.50              |
| 10                               | 1       | LOW       | 64QAM      | 21.91     | 21.91 | 21.83 | 22.50              |
|                                  |         | MID       | 64QAM      | 22.01     | 22.03 | 22.06 | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.88     | 21.87 | 21.80 | 22.50              |
|                                  | 25      | LOW       | 64QAM      | 20.66     | 20.73 | 20.90 | 21.50              |
|                                  |         | MID       | 64QAM      | 20.74     | 20.90 | 20.77 | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.86     | 20.68 | 20.76 | 21.50              |
|                                  | 50      | LOW       | 64QAM      | 20.65     | 20.64 | 20.91 | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 26115     | 26365 | 26615 | Tune-up power(dBm) |
| 15                               | 1       | LOW       | QPSK       | 23.67     | 23.44 | 23.82 | 24.50              |
|                                  |         | MID       | QPSK       | 23.42     | 23.66 | 23.52 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.47     | 23.66 | 23.68 | 24.50              |
|                                  | 36      | LOW       | QPSK       | 22.80     | 22.75 | 22.81 | 23.50              |
|                                  |         | MID       | QPSK       | 22.78     | 22.75 | 22.86 | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.72     | 22.63 | 22.87 | 23.50              |
|                                  | 75      | LOW       | QPSK       | 22.63     | 22.70 | 22.76 | 23.50              |
| 15                               | 1       | LOW       | Q16        | 22.54     | 22.81 | 22.53 | 23.50              |
|                                  |         | MID       | Q16        | 22.67     | 22.82 | 22.61 | 23.50              |
|                                  |         | HIGH      | Q16        | 22.83     | 22.84 | 22.89 | 23.50              |
|                                  | 36      | LOW       | Q16        | 21.27     | 21.54 | 21.68 | 22.50              |
|                                  |         | MID       | Q16        | 21.54     | 21.68 | 21.50 | 22.50              |
|                                  |         | HIGH      | Q16        | 21.35     | 21.30 | 21.50 | 22.50              |
|                                  | 75      | LOW       | Q16        | 21.69     | 21.68 | 21.67 | 22.50              |
| 15                               | 1       | LOW       | 64QAM      | 22.15     | 21.99 | 21.84 | 22.50              |
|                                  |         | MID       | 64QAM      | 22.08     | 21.94 | 21.87 | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.68     | 21.67 | 21.99 | 22.50              |
|                                  | 36      | LOW       | 64QAM      | 20.66     | 20.62 | 20.83 | 21.50              |
|                                  |         | MID       | 64QAM      | 20.71     | 20.85 | 20.66 | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.81     | 20.58 | 20.86 | 21.50              |
|                                  | 75      | LOW       | 64QAM      | 20.75     | 20.74 | 20.93 | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 26140     | 26365 | 26590 | Tune-up power(dBm) |
| 20                               | 1       | LOW       | QPSK       | 23.65     | 23.69 | 23.61 | 24.50              |
|                                  |         | MID       | QPSK       | 23.55     | 23.51 | 23.58 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.54     | 23.54 | 23.57 | 24.50              |
|                                  | 50      | LOW       | QPSK       | 22.78     | 22.71 | 22.74 | 23.50              |
|                                  |         | MID       | QPSK       | 22.76     | 22.79 | 22.72 | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.79     | 22.60 | 22.84 | 23.50              |
|                                  | 100     | LOW       | QPSK       | 22.53     | 22.68 | 22.68 | 23.50              |
| 20                               | 1       | LOW       | Q16        | 22.62     | 22.76 | 22.63 | 23.50              |
|                                  |         | MID       | Q16        | 22.67     | 22.85 | 22.65 | 23.50              |
|                                  |         | HIGH      | Q16        | 22.90     | 22.85 | 22.88 | 23.50              |
|                                  | 50      | LOW       | Q16        | 21.41     | 21.54 | 21.57 | 22.50              |
|                                  |         | MID       | Q16        | 21.47     | 21.58 | 21.58 | 22.50              |
|                                  |         | HIGH      | Q16        | 21.48     | 21.42 | 21.53 | 22.50              |
|                                  | 100     | LOW       | Q16        | 21.57     | 21.72 | 21.61 | 22.50              |
| 20                               | 1       | LOW       | 64QAM      | 22.02     | 21.89 | 21.81 | 22.50              |
|                                  |         | MID       | 64QAM      | 21.93     | 21.94 | 21.98 | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.76     | 21.78 | 21.95 | 22.50              |
|                                  | 50      | LOW       | 64QAM      | 20.62     | 20.73 | 20.81 | 21.50              |
|                                  |         | MID       | 64QAM      | 20.77     | 20.84 | 20.69 | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.80     | 20.72 | 20.76 | 21.50              |
|                                  | 100     | LOW       | 64QAM      | 20.44/137 | 20.70 | 20.78 | 21.50              |

## 8.4.9 LTE Band25 Output Power

| LTE B25-Full Power -Ant.6 (ENDC) |         |           |            |           |       |       |                    |
|----------------------------------|---------|-----------|------------|-----------|-------|-------|--------------------|
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 26047     | 26365 | 26683 | Tune-up power(dBm) |
| 1.4                              | 1       | LOW       | QPSK       | 23.62     | 23.51 | 23.42 | 24.50              |
|                                  |         | MID       | QPSK       | 23.42     | 23.28 | 23.25 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.41     | 23.48 | 23.63 | 24.50              |
|                                  | 3       | LOW       | QPSK       | 23.37     | 23.38 | 23.44 | 24.50              |
|                                  |         | MID       | QPSK       | 23.33     | 23.53 | 23.34 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.44     | 23.53 | 23.37 | 24.50              |
|                                  | 6       | LOW       | QPSK       | 22.33     | 22.45 | 22.54 | 23.50              |
| 1.4                              | 1       | LOW       | Q16        | 22.48     | 22.61 | 22.50 | 23.50              |
|                                  |         | MID       | Q16        | 22.66     | 22.71 | 22.53 | 23.50              |
|                                  |         | HIGH      | Q16        | 22.72     | 22.71 | 22.61 | 23.50              |
|                                  | 3       | LOW       | Q16        | 22.55     | 22.56 | 22.55 | 23.50              |
|                                  |         | MID       | Q16        | 22.51     | 22.70 | 22.63 | 23.50              |
|                                  |         | HIGH      | Q16        | 22.68     | 22.94 | 22.54 | 23.50              |
|                                  | 6       | LOW       | Q16        | 21.37     | 21.58 | 21.59 | 22.50              |
| 1.4                              | 1       | LOW       | 64QAM      | 21.46     | 21.62 | 21.49 | 22.50              |
|                                  |         | MID       | 64QAM      | 21.73     | 21.62 | 21.62 | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.82     | 21.65 | 21.53 | 22.50              |
|                                  | 3       | LOW       | 64QAM      | 21.47     | 21.71 | 21.57 | 22.50              |
|                                  |         | MID       | 64QAM      | 21.53     | 21.59 | 21.64 | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.68     | 21.87 | 21.49 | 22.50              |
|                                  | 6       | LOW       | 64QAM      | 20.44     | 20.63 | 20.44 | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 26055     | 26365 | 26675 | Tune-up power(dBm) |
| 3                                | 1       | LOW       | QPSK       | 23.41     | 23.38 | 23.61 | 24.50              |
|                                  |         | MID       | QPSK       | 23.38     | 23.53 | 23.33 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.42     | 23.39 | 23.52 | 24.50              |
|                                  | 8       | LOW       | QPSK       | 22.62     | 22.40 | 22.68 | 23.50              |
|                                  |         | MID       | QPSK       | 22.69     | 22.69 | 22.35 | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.62     | 22.53 | 22.40 | 23.50              |
|                                  | 15      | LOW       | QPSK       | 22.49     | 22.67 | 22.56 | 23.50              |
| 3                                | 1       | LOW       | Q16        | 22.68     | 22.58 | 22.50 | 23.50              |
|                                  |         | MID       | Q16        | 22.60     | 22.91 | 22.62 | 23.50              |
|                                  |         | HIGH      | Q16        | 22.78     | 22.68 | 22.50 | 23.50              |
|                                  | 8       | LOW       | Q16        | 21.37     | 21.59 | 21.30 | 22.50              |
|                                  |         | MID       | Q16        | 21.59     | 21.68 | 21.49 | 22.50              |
|                                  |         | HIGH      | Q16        | 21.58     | 21.32 | 21.43 | 22.50              |
|                                  | 15      | LOW       | Q16        | 21.56     | 21.42 | 21.52 | 22.50              |
| 3                                | 1       | LOW       | 64QAM      | 21.87     | 21.81 | 21.79 | 22.50              |
|                                  |         | MID       | 64QAM      | 21.67     | 21.71 | 21.55 | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.52     | 21.70 | 21.65 | 22.50              |
|                                  | 8       | LOW       | 64QAM      | 20.42     | 20.47 | 20.42 | 21.50              |
|                                  |         | MID       | 64QAM      | 20.58     | 20.33 | 20.50 | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.38     | 20.30 | 20.73 | 21.50              |
|                                  | 15      | LOW       | 64QAM      | 20.69     | 20.52 | 20.57 | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 26065     | 26365 | 26665 | Tune-up power(dBm) |
| 5                                | 1       | LOW       | QPSK       | 23.45     | 23.54 | 23.47 | 24.50              |
|                                  |         | MID       | QPSK       | 23.56     | 23.41 | 23.28 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.37     | 23.37 | 23.64 | 24.50              |
|                                  | 12      | LOW       | QPSK       | 22.83     | 22.68 | 22.46 | 23.50              |
|                                  |         | MID       | QPSK       | 22.75     | 22.65 | 22.48 | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.62     | 22.35 | 22.45 | 23.50              |
|                                  | 25      | LOW       | QPSK       | 22.56     | 22.48 | 22.56 | 23.50              |
| 5                                | 1       | LOW       | Q16        | 22.69     | 22.65 | 22.73 | 23.50              |
|                                  |         | MID       | Q16        | 22.62     | 22.84 | 22.44 | 23.50              |
|                                  |         | HIGH      | Q16        | 22.74     | 22.60 | 22.48 | 23.50              |
|                                  | 12      | LOW       | Q16        | 21.32     | 21.52 | 21.31 | 22.50              |
|                                  |         | MID       | Q16        | 21.49     | 21.79 | 21.73 | 22.50              |
|                                  |         | HIGH      | Q16        | 21.45     | 21.52 | 21.42 | 22.50              |
|                                  | 25      | LOW       | Q16        | 21.58     | 21.44 | 21.73 | 22.50              |
| 5                                | 1       | LOW       | 64QAM      | 21.70     | 21.84 | 21.71 | 22.50              |
|                                  |         | MID       | 64QAM      | 21.52     | 21.65 | 21.64 | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.72     | 21.57 | 21.63 | 22.50              |
|                                  | 12      | LOW       | 64QAM      | 20.57     | 20.47 | 20.39 | 21.50              |
|                                  |         | MID       | 64QAM      | 20.43     | 20.58 | 20.31 | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.36     | 20.42 | 20.77 | 21.50              |
|                                  | 25      | LOW       | 64QAM      | 20.45/137 | 20.65 | 20.40 | 21.50              |

| LTE B25-Full Power -Ant.6 (ENDC) |         |           |            |       |       |       |                    |
|----------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 26090 | 26365 | 26640 | Tune-up power(dBm) |
| 10                               | 1       | LOW       | QPSK       | 23.51 | 23.64 | 23.52 | 24.50              |
|                                  |         | MID       | QPSK       | 23.53 | 23.53 | 23.52 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.49 | 23.56 | 23.55 | 24.50              |
|                                  | 25      | LOW       | QPSK       | 22.59 | 22.60 | 22.64 | 23.50              |
|                                  |         | MID       | QPSK       | 22.64 | 22.71 | 22.29 | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.61 | 22.43 | 22.63 | 23.50              |
|                                  | 50      | LOW       | QPSK       | 22.52 | 22.40 | 22.46 | 23.50              |
| 10                               | 1       | LOW       | Q16        | 22.50 | 22.80 | 22.67 | 23.50              |
|                                  |         | MID       | Q16        | 22.61 | 22.71 | 22.66 | 23.50              |
|                                  |         | HIGH      | Q16        | 22.66 | 22.69 | 22.65 | 23.50              |
|                                  | 25      | LOW       | Q16        | 21.42 | 21.44 | 21.51 | 22.50              |
|                                  |         | MID       | Q16        | 21.44 | 21.71 | 21.71 | 22.50              |
|                                  |         | HIGH      | Q16        | 21.32 | 21.43 | 21.34 | 22.50              |
|                                  | 50      | LOW       | Q16        | 21.53 | 21.40 | 21.60 | 22.50              |
| 10                               | 1       | LOW       | 64QAM      | 21.76 | 21.63 | 21.64 | 22.50              |
|                                  |         | MID       | 64QAM      | 21.56 | 21.79 | 21.71 | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.80 | 21.71 | 21.73 | 22.50              |
|                                  | 25      | LOW       | 64QAM      | 20.38 | 20.50 | 20.45 | 21.50              |
|                                  |         | MID       | 64QAM      | 20.59 | 20.45 | 20.33 | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.47 | 20.42 | 20.62 | 21.50              |
|                                  | 50      | LOW       | 64QAM      | 20.53 | 20.50 | 20.55 | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 26115 | 26365 | 26615 | Tune-up power(dBm) |
| 15                               | 1       | LOW       | QPSK       | 23.39 | 23.49 | 23.56 | 24.50              |
|                                  |         | MID       | QPSK       | 23.50 | 23.28 | 23.40 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.57 | 23.57 | 23.58 | 24.50              |
|                                  | 36      | LOW       | QPSK       | 22.81 | 22.42 | 22.52 | 23.50              |
|                                  |         | MID       | QPSK       | 22.55 | 22.69 | 22.43 | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.71 | 22.49 | 22.62 | 23.50              |
|                                  | 75      | LOW       | QPSK       | 22.35 | 22.50 | 22.57 | 23.50              |
| 15                               | 1       | LOW       | Q16        | 22.59 | 22.55 | 22.57 | 23.50              |
|                                  |         | MID       | Q16        | 22.54 | 22.91 | 22.50 | 23.50              |
|                                  |         | HIGH      | Q16        | 22.66 | 22.64 | 22.57 | 23.50              |
|                                  | 36      | LOW       | Q16        | 21.55 | 21.61 | 21.49 | 22.50              |
|                                  |         | MID       | Q16        | 21.52 | 21.67 | 21.70 | 22.50              |
|                                  |         | HIGH      | Q16        | 21.37 | 21.35 | 21.39 | 22.50              |
|                                  | 75      | LOW       | Q16        | 21.61 | 21.39 | 21.66 | 22.50              |
| 15                               | 1       | LOW       | 64QAM      | 21.89 | 21.62 | 21.60 | 22.50              |
|                                  |         | MID       | 64QAM      | 21.76 | 21.57 | 21.49 | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.65 | 21.58 | 21.64 | 22.50              |
|                                  | 36      | LOW       | 64QAM      | 20.62 | 20.45 | 20.55 | 21.50              |
|                                  |         | MID       | 64QAM      | 20.65 | 20.60 | 20.55 | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.58 | 20.48 | 20.75 | 21.50              |
|                                  | 75      | LOW       | 64QAM      | 20.51 | 20.53 | 20.53 | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 26140 | 26365 | 26590 | Tune-up power(dBm) |
| 20                               | 1       | LOW       | QPSK       | 23.50 | 23.53 | 23.49 | 24.50              |
|                                  |         | MID       | QPSK       | 23.45 | 23.43 | 23.40 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.52 | 23.46 | 23.51 | 24.50              |
|                                  | 50      | LOW       | QPSK       | 22.68 | 22.53 | 22.54 | 23.50              |
|                                  |         | MID       | QPSK       | 22.67 | 22.69 | 22.40 | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.59 | 22.45 | 22.48 | 23.50              |
|                                  | 100     | LOW       | QPSK       | 22.41 | 22.52 | 22.58 | 23.50              |
| 20                               | 1       | LOW       | Q16        | 22.63 | 22.65 | 22.58 | 23.50              |
|                                  |         | MID       | Q16        | 22.62 | 22.80 | 22.57 | 23.50              |
|                                  |         | HIGH      | Q16        | 22.68 | 22.56 | 22.61 | 23.50              |
|                                  | 50      | LOW       | Q16        | 21.43 | 21.53 | 21.42 | 22.50              |
|                                  |         | MID       | Q16        | 21.49 | 21.66 | 21.62 | 22.50              |
|                                  |         | HIGH      | Q16        | 21.46 | 21.39 | 21.38 | 22.50              |
|                                  | 100     | LOW       | Q16        | 21.48 | 21.51 | 21.62 | 22.50              |
| 20                               | 1       | LOW       | 64QAM      | 21.83 | 21.70 | 21.68 | 22.50              |
|                                  |         | MID       | 64QAM      | 21.66 | 21.67 | 21.56 | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.67 | 21.63 | 21.59 | 22.50              |
|                                  | 50      | LOW       | 64QAM      | 20.51 | 20.55 | 20.52 | 21.50              |
|                                  |         | MID       | 64QAM      | 20.58 | 20.46 | 20.46 | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.45 | 20.41 | 20.68 | 21.50              |
|                                  | 100     | LOW       | 64QAM      | 20.61 | 20.54 | 20.61 | 21.50              |

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| LTE B26-Full Power -Ant.0 |         |           |            |       |       |       |                    |
|---------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 26740 | 26865 | 26990 | Tune-up power(dBm) |
| 10                        | 1       | LOW       | QPSK       | 23.34 | 23.45 | 23.36 | 24.50              |
|                           |         | MID       | QPSK       | 23.25 | 23.24 | 23.09 | 24.50              |
|                           |         | HIGH      | QPSK       | 23.23 | 23.38 | 23.22 | 24.50              |
|                           | 25      | LOW       | QPSK       | 22.41 | 22.10 | 22.32 | 23.50              |
|                           |         | MID       | QPSK       | 22.03 | 22.30 | 22.26 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.30 | 22.12 | 22.29 | 23.50              |
|                           | 50      | LOW       | QPSK       | 22.09 | 22.13 | 22.30 | 23.50              |
| 10                        | 1       | LOW       | Q16        | 22.42 | 22.53 | 22.58 | 23.50              |
|                           |         | MID       | Q16        | 22.61 | 22.51 | 22.61 | 23.50              |
|                           |         | HIGH      | Q16        | 22.29 | 22.61 | 22.39 | 23.50              |
|                           | 25      | LOW       | Q16        | 21.51 | 21.11 | 21.17 | 22.50              |
|                           |         | MID       | Q16        | 21.16 | 21.40 | 21.16 | 22.50              |
|                           |         | HIGH      | Q16        | 21.15 | 21.02 | 21.16 | 22.50              |
|                           | 50      | LOW       | Q16        | 21.37 | 21.25 | 21.14 | 22.50              |
| 10                        | 1       | LOW       | 64QAM      | 21.65 | 21.65 | 21.46 | 22.50              |
|                           |         | MID       | 64QAM      | 21.71 | 21.56 | 21.37 | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.72 | 21.63 | 21.75 | 22.50              |
|                           | 25      | LOW       | 64QAM      | 20.18 | 20.35 | 20.41 | 21.50              |
|                           |         | MID       | 64QAM      | 20.37 | 20.49 | 20.63 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.46 | 20.41 | 20.56 | 21.50              |
|                           | 50      | LOW       | 64QAM      | 20.40 | 20.26 | 20.38 | 21.50              |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 26765 | 26865 | 26965 | Tune-up power(dBm) |
| 15                        | 1       | LOW       | QPSK       | 23.21 | 23.38 | 23.30 | 24.50              |
|                           |         | MID       | QPSK       | 23.20 | 23.25 | 23.21 | 24.50              |
|                           |         | HIGH      | QPSK       | 23.18 | 23.30 | 23.25 | 24.50              |
|                           | 36      | LOW       | QPSK       | 22.34 | 22.21 | 22.35 | 23.50              |
|                           |         | MID       | QPSK       | 22.12 | 22.23 | 22.32 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.27 | 22.38 | 22.14 | 23.50              |
|                           | 75      | LOW       | QPSK       | 22.07 | 22.19 | 22.18 | 23.50              |
| 15                        | 1       | LOW       | Q16        | 22.55 | 22.45 | 22.53 | 23.50              |
|                           |         | MID       | Q16        | 22.53 | 22.59 | 22.46 | 23.50              |
|                           |         | HIGH      | Q16        | 22.42 | 22.58 | 22.46 | 23.50              |
|                           | 36      | LOW       | Q16        | 21.37 | 21.26 | 21.28 | 22.50              |
|                           |         | MID       | Q16        | 21.13 | 21.31 | 21.14 | 22.50              |
|                           |         | HIGH      | Q16        | 21.15 | 21.16 | 21.22 | 22.50              |
|                           | 75      | LOW       | Q16        | 21.23 | 21.34 | 21.24 | 22.50              |
| 15                        | 1       | LOW       | 64QAM      | 21.50 | 21.56 | 21.51 | 22.50              |
|                           |         | MID       | 64QAM      | 21.59 | 21.63 | 21.42 | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.58 | 21.60 | 21.66 | 22.50              |
|                           | 36      | LOW       | 64QAM      | 20.30 | 20.37 | 20.46 | 21.50              |
|                           |         | MID       | 64QAM      | 20.44 | 20.46 | 20.52 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.41 | 20.50 | 20.46 | 21.50              |
|                           | 75      | LOW       | 64QAM      | 20.27 | 20.37 | 20.25 | 21.50              |



| LTE B26-Full Power -Ant.0 (ENDC) |         |           |            |       |       |       |                    |
|----------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 26697 | 26865 | 27033 | Tune-up power(dBm) |
| 1.4                              | 1       | LOW       | QPSK       | 23.07 | 23.50 | 23.23 | 24.50              |
|                                  |         | MID       | QPSK       | 23.11 | 23.21 | 23.16 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.09 | 23.26 | 23.36 | 24.50              |
|                                  | 3       | LOW       | QPSK       | 23.36 | 23.32 | 23.40 | 24.50              |
|                                  |         | MID       | QPSK       | 23.15 | 23.35 | 23.10 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.10 | 23.45 | 23.16 | 24.50              |
| 6                                | LOW     | QPSK      | 21.96      | 22.25 | 22.22 | 23.50 |                    |
| 1.4                              | 1       | LOW       | Q16        | 22.47 | 22.40 | 22.52 | 23.50              |
|                                  |         | MID       | Q16        | 22.58 | 22.49 | 22.34 | 23.50              |
|                                  |         | HIGH      | Q16        | 22.50 | 22.50 | 22.54 | 23.50              |
|                                  | 3       | LOW       | Q16        | 22.53 | 22.44 | 22.38 | 23.50              |
|                                  |         | MID       | Q16        | 22.41 | 22.69 | 22.57 | 23.50              |
|                                  |         | HIGH      | Q16        | 22.32 | 22.52 | 22.43 | 23.50              |
| 6                                | LOW     | Q16       | 21.19      | 21.25 | 21.19 | 22.50 |                    |
| 1.4                              | 1       | LOW       | 64QAM      | 21.44 | 21.43 | 21.37 | 22.50              |
|                                  |         | MID       | 64QAM      | 21.69 | 21.40 | 21.47 | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.49 | 21.39 | 21.47 | 22.50              |
|                                  | 3       | LOW       | 64QAM      | 21.53 | 21.43 | 21.38 | 22.50              |
|                                  |         | MID       | 64QAM      | 21.45 | 21.65 | 21.64 | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.20 | 21.54 | 21.42 | 22.50              |
| 6                                | LOW     | 64QAM     | 20.18      | 20.27 | 20.04 | 21.50 |                    |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 26715 | 26865 | 27015 | Tune-up power(dBm) |
| 3                                | 1       | LOW       | QPSK       | 23.26 | 23.43 | 23.32 | 24.50              |
|                                  |         | MID       | QPSK       | 23.18 | 23.21 | 23.16 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.05 | 23.43 | 23.16 | 24.50              |
|                                  | 8       | LOW       | QPSK       | 22.25 | 22.33 | 22.32 | 23.50              |
|                                  |         | MID       | QPSK       | 22.01 | 22.15 | 22.22 | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.32 | 22.32 | 22.19 | 23.50              |
| 15                               | LOW     | QPSK      | 21.97      | 22.34 | 22.17 | 23.50 |                    |
| 3                                | 1       | LOW       | Q16        | 22.55 | 22.47 | 22.67 | 23.50              |
|                                  |         | MID       | Q16        | 22.68 | 22.47 | 22.33 | 23.50              |
|                                  |         | HIGH      | Q16        | 22.51 | 22.46 | 22.55 | 23.50              |
|                                  | 8       | LOW       | Q16        | 21.29 | 21.15 | 21.33 | 22.50              |
|                                  |         | MID       | Q16        | 21.13 | 21.45 | 21.20 | 22.50              |
|                                  |         | HIGH      | Q16        | 21.01 | 21.11 | 21.19 | 22.50              |
| 15                               | LOW     | Q16       | 21.33      | 21.37 | 21.36 | 22.50 |                    |
| 3                                | 1       | LOW       | 64QAM      | 21.62 | 21.42 | 21.49 | 22.50              |
|                                  |         | MID       | 64QAM      | 21.63 | 21.70 | 21.46 | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.65 | 21.66 | 21.64 | 22.50              |
|                                  | 8       | LOW       | 64QAM      | 20.44 | 20.43 | 20.57 | 21.50              |
|                                  |         | MID       | 64QAM      | 20.50 | 20.60 | 20.48 | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.26 | 20.38 | 20.31 | 21.50              |
| 15                               | LOW     | 64QAM     | 20.31      | 20.48 | 20.18 | 21.50 |                    |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 26715 | 26865 | 27015 | Tune-up power(dBm) |
| 5                                | 1       | LOW       | QPSK       | 23.26 | 23.36 | 23.26 | 24.50              |
|                                  |         | MID       | QPSK       | 23.30 | 23.20 | 23.08 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.22 | 23.38 | 23.40 | 24.50              |
|                                  | 12      | LOW       | QPSK       | 22.43 | 22.25 | 22.50 | 23.50              |
|                                  |         | MID       | QPSK       | 21.99 | 22.16 | 22.37 | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.37 | 22.09 | 22.02 | 23.50              |
| 25                               | LOW     | QPSK      | 22.22      | 22.06 | 22.31 | 23.50 |                    |
| 5                                | 1       | LOW       | Q16        | 22.67 | 22.42 | 22.54 | 23.50              |
|                                  |         | MID       | Q16        | 22.41 | 22.69 | 22.49 | 23.50              |
|                                  |         | HIGH      | Q16        | 22.47 | 22.43 | 22.41 | 23.50              |
|                                  | 12      | LOW       | Q16        | 21.48 | 21.39 | 21.38 | 22.50              |
|                                  |         | MID       | Q16        | 21.00 | 21.41 | 21.18 | 22.50              |
|                                  |         | HIGH      | Q16        | 21.14 | 21.20 | 21.29 | 22.50              |
| 25                               | LOW     | Q16       | 21.15      | 21.40 | 21.31 | 22.50 |                    |
| 5                                | 1       | LOW       | 64QAM      | 21.52 | 21.63 | 21.44 | 22.50              |
|                                  |         | MID       | 64QAM      | 21.56 | 21.56 | 21.56 | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.70 | 21.52 | 21.58 | 22.50              |
|                                  | 12      | LOW       | 64QAM      | 20.17 | 20.31 | 20.53 | 21.50              |
|                                  |         | MID       | 64QAM      | 20.34 | 20.46 | 20.59 | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.31 | 20.61 | 20.48 | 21.50              |
| 25                               | LOW     | 64QAM     | 20.37      | 20.49 | 20.11 | 21.50 |                    |

| LTE B26-Full Power -Ant.0 (ENDC) |         |           |            |       |       |       |                    |
|----------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 26740 | 26865 | 26990 | Tune-up power(dBm) |
| 10                               | 1       | LOW       | QPSK       | 23.34 | 23.45 | 23.36 | 24.50              |
|                                  |         | MID       | QPSK       | 23.25 | 23.24 | 23.09 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.23 | 23.38 | 23.22 | 24.50              |
|                                  | 25      | LOW       | QPSK       | 22.41 | 22.10 | 22.32 | 23.50              |
|                                  |         | MID       | QPSK       | 22.03 | 22.30 | 22.26 | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.30 | 22.12 | 22.29 | 23.50              |
| 10                               | 1       | LOW       | QPSK       | 22.09 | 22.13 | 22.30 | 23.50              |
|                                  | 25      | LOW       | Q16        | 22.42 | 22.53 | 22.58 | 23.50              |
|                                  |         | MID       | Q16        | 22.61 | 22.51 | 22.61 | 23.50              |
|                                  |         | HIGH      | Q16        | 22.29 | 22.61 | 22.39 | 23.50              |
|                                  | 25      | LOW       | Q16        | 21.51 | 21.11 | 21.17 | 22.50              |
|                                  |         | MID       | Q16        | 21.16 | 21.40 | 21.16 | 22.50              |
| 10                               | 1       | LOW       | Q16        | 21.15 | 21.02 | 21.16 | 22.50              |
|                                  | 25      | LOW       | Q16        | 21.37 | 21.25 | 21.14 | 22.50              |
|                                  | 50      | LOW       | Q16        | 21.65 | 21.65 | 21.46 | 22.50              |
|                                  | 25      | MID       | 64QAM      | 21.71 | 21.56 | 21.37 | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.72 | 21.63 | 21.75 | 22.50              |
|                                  | 50      | LOW       | 64QAM      | 20.18 | 20.35 | 20.41 | 21.50              |
| 10                               | 1       | LOW       | 64QAM      | 20.37 | 20.49 | 20.63 | 21.50              |
|                                  | 25      | MID       | 64QAM      | 20.46 | 20.41 | 20.56 | 21.50              |
|                                  | 50      | LOW       | 64QAM      | 20.40 | 20.26 | 20.38 | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 26765 | 26865 | 26965 | Tune-up power(dBm) |
| 15                               | 1       | LOW       | QPSK       | 23.21 | 23.38 | 23.30 | 24.50              |
|                                  |         | MID       | QPSK       | 23.20 | 23.25 | 23.21 | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.18 | 23.30 | 23.25 | 24.50              |
|                                  | 36      | LOW       | QPSK       | 22.34 | 22.21 | 22.35 | 23.50              |
|                                  |         | MID       | QPSK       | 22.12 | 22.23 | 22.32 | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.27 | 22.38 | 22.14 | 23.50              |
| 15                               | 1       | LOW       | QPSK       | 22.07 | 22.19 | 22.18 | 23.50              |
|                                  | 36      | LOW       | Q16        | 22.55 | 22.45 | 22.53 | 23.50              |
|                                  |         | MID       | Q16        | 22.53 | 22.59 | 22.46 | 23.50              |
|                                  |         | HIGH      | Q16        | 22.42 | 22.58 | 22.46 | 23.50              |
|                                  | 75      | LOW       | Q16        | 21.37 | 21.26 | 21.28 | 22.50              |
|                                  |         | MID       | Q16        | 21.13 | 21.31 | 21.14 | 22.50              |
| 15                               | 1       | HIGH      | Q16        | 21.15 | 21.16 | 21.22 | 22.50              |
|                                  | 36      | LOW       | Q16        | 21.23 | 21.34 | 21.24 | 22.50              |
|                                  | 75      | LOW       | 64QAM      | 21.50 | 21.56 | 21.51 | 22.50              |
|                                  | 36      | MID       | 64QAM      | 21.59 | 21.63 | 21.42 | 22.50              |
|                                  | 75      | HIGH      | 64QAM      | 21.58 | 21.60 | 21.66 | 22.50              |
|                                  | 75      | LOW       | 64QAM      | 20.30 | 20.37 | 20.46 | 21.50              |
| 15                               | 1       | MID       | 64QAM      | 20.44 | 20.46 | 20.52 | 21.50              |
|                                  | 36      | HIGH      | 64QAM      | 20.41 | 20.50 | 20.46 | 21.50              |
|                                  | 75      | LOW       | 64QAM      | 20.27 | 20.37 | 20.25 | 21.50              |

## 8.4.11 LTE Band66 Output Power

| LTE B66-Full Power -Ant.2 |         |           |            |        |        |        |                    |
|---------------------------|---------|-----------|------------|--------|--------|--------|--------------------|
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 131979 | 132322 | 132665 | Tune-up power(dBm) |
| 1.4                       | 1       | LOW       | QPSK       | 23.24  | 23.25  | 23.32  | 24.50              |
|                           |         | MID       | QPSK       | 23.08  | 23.20  | 23.16  | 24.50              |
|                           |         | HIGH      | QPSK       | 23.32  | 23.23  | 23.39  | 24.50              |
|                           | 3       | LOW       | QPSK       | 23.25  | 23.21  | 23.17  | 24.50              |
|                           |         | MID       | QPSK       | 23.17  | 23.17  | 23.30  | 24.50              |
|                           |         | HIGH      | QPSK       | 23.58  | 23.24  | 23.41  | 24.50              |
|                           | 6       | LOW       | QPSK       | 22.50  | 22.48  | 22.53  | 23.50              |
| 1.4                       | 1       | LOW       | Q16        | 22.73  | 22.70  | 22.73  | 23.50              |
|                           |         | MID       | Q16        | 22.50  | 22.83  | 22.90  | 23.50              |
|                           |         | HIGH      | Q16        | 22.74  | 22.70  | 22.93  | 23.50              |
|                           | 3       | LOW       | Q16        | 23.01  | 22.32  | 22.84  | 23.50              |
|                           |         | MID       | Q16        | 22.58  | 22.85  | 23.03  | 23.50              |
|                           |         | HIGH      | Q16        | 22.74  | 22.90  | 22.88  | 23.50              |
|                           | 6       | LOW       | Q16        | 21.39  | 21.48  | 21.37  | 22.50              |
| 1.4                       | 1       | LOW       | 64QAM      | 21.82  | 21.73  | 21.61  | 22.50              |
|                           |         | MID       | 64QAM      | 21.59  | 21.86  | 21.96  | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.69  | 21.85  | 21.91  | 22.50              |
|                           | 3       | LOW       | 64QAM      | 21.95  | 21.31  | 21.89  | 22.50              |
|                           |         | MID       | 64QAM      | 21.45  | 21.98  | 22.02  | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.61  | 21.75  | 22.01  | 22.50              |
|                           | 6       | LOW       | 64QAM      | 20.45  | 20.34  | 20.36  | 21.50              |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 131987 | 132322 | 132657 | Tune-up power(dBm) |
| 3                         | 1       | LOW       | QPSK       | 23.19  | 23.14  | 23.42  | 24.50              |
|                           |         | MID       | QPSK       | 23.22  | 23.26  | 23.35  | 24.50              |
|                           |         | HIGH      | QPSK       | 23.36  | 23.34  | 23.41  | 24.50              |
|                           | 8       | LOW       | QPSK       | 22.45  | 22.48  | 22.40  | 23.50              |
|                           |         | MID       | QPSK       | 22.29  | 22.32  | 22.59  | 23.50              |
|                           |         | HIGH      | QPSK       | 22.38  | 22.31  | 22.45  | 23.50              |
|                           | 15      | LOW       | QPSK       | 22.56  | 22.51  | 22.39  | 23.50              |
| 3                         | 1       | LOW       | Q16        | 22.80  | 22.59  | 22.84  | 23.50              |
|                           |         | MID       | Q16        | 22.66  | 22.77  | 23.11  | 23.50              |
|                           |         | HIGH      | Q16        | 22.83  | 22.73  | 22.92  | 23.50              |
|                           | 8       | LOW       | Q16        | 21.36  | 21.43  | 21.47  | 22.50              |
|                           |         | MID       | Q16        | 21.24  | 21.52  | 21.57  | 22.50              |
|                           |         | HIGH      | Q16        | 21.53  | 21.31  | 21.40  | 22.50              |
|                           | 15      | LOW       | Q16        | 21.54  | 21.41  | 21.38  | 22.50              |
| 3                         | 1       | LOW       | 64QAM      | 21.70  | 21.84  | 21.89  | 22.50              |
|                           |         | MID       | 64QAM      | 21.68  | 21.57  | 22.16  | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.92  | 21.82  | 22.20  | 22.50              |
|                           | 8       | LOW       | 64QAM      | 20.39  | 20.40  | 20.30  | 21.50              |
|                           |         | MID       | 64QAM      | 20.40  | 20.32  | 20.65  | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.34  | 20.31  | 20.26  | 21.50              |
|                           | 15      | LOW       | 64QAM      | 20.40  | 20.67  | 20.32  | 21.50              |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 131997 | 132322 | 132647 | Tune-up power(dBm) |
| 5                         | 1       | LOW       | QPSK       | 23.21  | 23.38  | 23.45  | 24.50              |
|                           |         | MID       | QPSK       | 23.14  | 23.18  | 23.16  | 24.50              |
|                           |         | HIGH      | QPSK       | 23.52  | 23.36  | 23.30  | 24.50              |
|                           | 12      | LOW       | QPSK       | 22.37  | 22.44  | 22.41  | 23.50              |
|                           |         | MID       | QPSK       | 22.41  | 22.31  | 22.55  | 23.50              |
|                           |         | HIGH      | QPSK       | 22.53  | 22.48  | 22.43  | 23.50              |
|                           | 25      | LOW       | QPSK       | 22.52  | 22.53  | 22.32  | 23.50              |
| 5                         | 1       | LOW       | Q16        | 22.93  | 22.67  | 22.82  | 23.50              |
|                           |         | MID       | Q16        | 22.54  | 22.78  | 23.09  | 23.50              |
|                           |         | HIGH      | Q16        | 22.77  | 22.90  | 22.85  | 23.50              |
|                           | 12      | LOW       | Q16        | 21.47  | 21.39  | 21.40  | 22.50              |
|                           |         | MID       | Q16        | 21.48  | 21.49  | 21.39  | 22.50              |
|                           |         | HIGH      | Q16        | 21.57  | 21.55  | 21.37  | 22.50              |
|                           | 25      | LOW       | Q16        | 21.43  | 21.56  | 21.57  | 22.50              |
| 5                         | 1       | LOW       | 64QAM      | 21.58  | 21.76  | 22.00  | 22.50              |
|                           |         | MID       | 64QAM      | 21.61  | 21.78  | 21.90  | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.89  | 21.76  | 22.20  | 22.50              |
|                           | 12      | LOW       | 64QAM      | 20.46  | 20.20  | 20.19  | 21.50              |
|                           |         | MID       | 64QAM      | 20.40  | 20.31  | 20.58  | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.48  | 20.36  | 20.20  | 21.50              |
|                           | 25      | LOW       | 64QAM      | 20.47  | 20.69  | 20.47  | 21.50              |

| LTE B66-Full Power -Ant.2 |         |           |            |           |        |        |                    |
|---------------------------|---------|-----------|------------|-----------|--------|--------|--------------------|
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 132022    | 132322 | 132622 | Tune-up power(dBm) |
| 10                        | 1       | LOW       | QPSK       | 23.41     | 23.17  | 23.21  | 24.50              |
|                           |         | MID       | QPSK       | 23.12     | 23.40  | 23.37  | 24.50              |
|                           |         | HIGH      | QPSK       | 23.34     | 23.36  | 23.29  | 24.50              |
|                           | 25      | LOW       | QPSK       | 22.41     | 22.44  | 22.40  | 23.50              |
|                           |         | MID       | QPSK       | 22.39     | 22.48  | 22.45  | 23.50              |
|                           |         | HIGH      | QPSK       | 22.49     | 22.30  | 22.39  | 23.50              |
|                           | 50      | LOW       | QPSK       | 22.30     | 22.41  | 22.43  | 23.50              |
| 10                        | 1       | LOW       | Q16        | 22.97     | 22.68  | 22.82  | 23.50              |
|                           |         | MID       | Q16        | 22.43     | 22.76  | 23.14  | 23.50              |
|                           |         | HIGH      | Q16        | 22.87     | 22.71  | 23.01  | 23.50              |
|                           | 25      | LOW       | Q16        | 21.39     | 21.43  | 21.42  | 22.50              |
|                           |         | MID       | Q16        | 21.44     | 21.36  | 21.52  | 22.50              |
|                           |         | HIGH      | Q16        | 21.57     | 21.51  | 21.40  | 22.50              |
|                           | 50      | LOW       | Q16        | 21.46     | 21.42  | 21.33  | 22.50              |
| 10                        | 1       | LOW       | 64QAM      | 21.67     | 21.75  | 21.89  | 22.50              |
|                           |         | MID       | 64QAM      | 21.45     | 21.64  | 22.11  | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.90     | 21.72  | 22.05  | 22.50              |
|                           | 25      | LOW       | 64QAM      | 20.67     | 20.45  | 20.35  | 21.50              |
|                           |         | MID       | 64QAM      | 20.50     | 20.22  | 20.60  | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.58     | 20.47  | 20.36  | 21.50              |
|                           | 50      | LOW       | 64QAM      | 20.46     | 20.58  | 20.43  | 21.50              |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 132047    | 132322 | 132597 | Tune-up power(dBm) |
| 15                        | 1       | LOW       | QPSK       | 23.29     | 23.13  | 23.38  | 24.50              |
|                           |         | MID       | QPSK       | 23.03     | 23.12  | 23.39  | 24.50              |
|                           |         | HIGH      | QPSK       | 23.37     | 23.36  | 23.39  | 24.50              |
|                           | 36      | LOW       | QPSK       | 22.43     | 22.44  | 22.21  | 23.50              |
|                           |         | MID       | QPSK       | 22.13     | 22.32  | 22.32  | 23.50              |
|                           |         | HIGH      | QPSK       | 22.29     | 22.32  | 22.50  | 23.50              |
|                           | 75      | LOW       | QPSK       | 22.44     | 22.58  | 22.32  | 23.50              |
| 15                        | 1       | LOW       | Q16        | 22.91     | 22.64  | 22.78  | 23.50              |
|                           |         | MID       | Q16        | 22.65     | 22.61  | 23.04  | 23.50              |
|                           |         | HIGH      | Q16        | 22.90     | 22.89  | 23.02  | 23.50              |
|                           | 36      | LOW       | Q16        | 21.47     | 21.29  | 21.24  | 22.50              |
|                           |         | MID       | Q16        | 21.28     | 21.26  | 21.48  | 22.50              |
|                           |         | HIGH      | Q16        | 21.37     | 21.37  | 21.42  | 22.50              |
|                           | 75      | LOW       | Q16        | 21.32     | 21.36  | 21.32  | 22.50              |
| 15                        | 1       | LOW       | 64QAM      | 21.58     | 21.80  | 21.81  | 22.50              |
|                           |         | MID       | 64QAM      | 21.70     | 21.86  | 21.99  | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.90     | 21.68  | 22.22  | 22.50              |
|                           | 36      | LOW       | 64QAM      | 20.53     | 20.40  | 20.45  | 21.50              |
|                           |         | MID       | 64QAM      | 20.63     | 20.21  | 20.46  | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.49     | 20.45  | 20.46  | 21.50              |
|                           | 75      | LOW       | 64QAM      | 20.48     | 20.50  | 20.33  | 21.50              |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 132072    | 132322 | 132572 | Tune-up power(dBm) |
| 20                        | 1       | LOW       | QPSK       | 23.34     | 23.24  | 23.30  | 24.50              |
|                           |         | MID       | QPSK       | 23.09     | 23.26  | 23.29  | 24.50              |
|                           |         | HIGH      | QPSK       | 23.34     | 23.34  | 23.33  | 24.50              |
|                           | 50      | LOW       | QPSK       | 22.34     | 22.36  | 22.33  | 23.50              |
|                           |         | MID       | QPSK       | 22.28     | 22.44  | 22.44  | 23.50              |
|                           |         | HIGH      | QPSK       | 22.43     | 22.45  | 22.42  | 23.50              |
|                           | 100     | LOW       | QPSK       | 22.45     | 22.45  | 22.42  | 23.50              |
| 20                        | 1       | LOW       | Q16        | 22.86     | 22.72  | 22.88  | 23.50              |
|                           |         | MID       | Q16        | 22.58     | 22.75  | 23.00  | 23.50              |
|                           |         | HIGH      | Q16        | 22.88     | 22.78  | 22.94  | 23.50              |
|                           | 50      | LOW       | Q16        | 21.37     | 21.32  | 21.36  | 22.50              |
|                           |         | MID       | Q16        | 21.36     | 21.40  | 21.49  | 22.50              |
|                           |         | HIGH      | Q16        | 21.48     | 21.42  | 21.43  | 22.50              |
|                           | 100     | LOW       | Q16        | 21.44     | 21.44  | 21.45  | 22.50              |
| 20                        | 1       | LOW       | 64QAM      | 21.71     | 21.75  | 21.91  | 22.50              |
|                           |         | MID       | 64QAM      | 21.56     | 21.72  | 22.02  | 22.50              |
|                           |         | HIGH      | 64QAM      | 22.02     | 21.70  | 22.08  | 22.50              |
|                           | 50      | LOW       | 64QAM      | 20.52     | 20.30  | 20.33  | 21.50              |
|                           |         | MID       | 64QAM      | 20.49     | 20.32  | 20.61  | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.45     | 20.32  | 20.33  | 21.50              |
|                           | 100     | LOW       | 64QAM      | 20.52/137 | 20.37  | 20.55  | 21.50              |

## 8.4.11 LTE Band66 Output Power

| LTE B66-Full Power -Ant.2 (ENDC) |         |           |            |        |        |        |                    |
|----------------------------------|---------|-----------|------------|--------|--------|--------|--------------------|
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 131979 | 132322 | 132665 | Tune-up power(dBm) |
| 1.4                              | 1       | LOW       | QPSK       | 23.24  | 23.25  | 23.32  | 24.50              |
|                                  |         | MID       | QPSK       | 23.08  | 23.20  | 23.16  | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.32  | 23.23  | 23.39  | 24.50              |
|                                  | 3       | LOW       | QPSK       | 23.25  | 23.21  | 23.17  | 24.50              |
|                                  |         | MID       | QPSK       | 23.17  | 23.17  | 23.30  | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.58  | 23.24  | 23.41  | 24.50              |
|                                  | 6       | LOW       | QPSK       | 22.50  | 22.48  | 22.53  | 23.50              |
| 1.4                              | 1       | LOW       | Q16        | 22.73  | 22.70  | 22.73  | 23.50              |
|                                  |         | MID       | Q16        | 22.50  | 22.83  | 22.90  | 23.50              |
|                                  |         | HIGH      | Q16        | 22.74  | 22.70  | 22.93  | 23.50              |
|                                  | 3       | LOW       | Q16        | 23.01  | 22.32  | 22.84  | 23.50              |
|                                  |         | MID       | Q16        | 22.58  | 22.85  | 23.03  | 23.50              |
|                                  |         | HIGH      | Q16        | 22.74  | 22.90  | 22.88  | 23.50              |
|                                  | 6       | LOW       | Q16        | 21.39  | 21.48  | 21.37  | 22.50              |
| 1.4                              | 1       | LOW       | 64QAM      | 21.82  | 21.73  | 21.61  | 22.50              |
|                                  |         | MID       | 64QAM      | 21.59  | 21.86  | 21.96  | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.69  | 21.85  | 21.91  | 22.50              |
|                                  | 3       | LOW       | 64QAM      | 21.95  | 21.31  | 21.89  | 22.50              |
|                                  |         | MID       | 64QAM      | 21.45  | 21.98  | 22.02  | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.61  | 21.75  | 22.01  | 22.50              |
|                                  | 6       | LOW       | 64QAM      | 20.45  | 20.34  | 20.36  | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 131987 | 132322 | 132657 | Tune-up power(dBm) |
| 3                                | 1       | LOW       | QPSK       | 23.19  | 23.14  | 23.42  | 24.50              |
|                                  |         | MID       | QPSK       | 23.22  | 23.26  | 23.35  | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.36  | 23.34  | 23.41  | 24.50              |
|                                  | 8       | LOW       | QPSK       | 22.45  | 22.48  | 22.40  | 23.50              |
|                                  |         | MID       | QPSK       | 22.29  | 22.32  | 22.59  | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.38  | 22.31  | 22.45  | 23.50              |
|                                  | 15      | LOW       | QPSK       | 22.56  | 22.51  | 22.39  | 23.50              |
| 3                                | 1       | LOW       | Q16        | 22.80  | 22.59  | 22.84  | 23.50              |
|                                  |         | MID       | Q16        | 22.66  | 22.77  | 23.11  | 23.50              |
|                                  |         | HIGH      | Q16        | 22.83  | 22.73  | 22.92  | 23.50              |
|                                  | 8       | LOW       | Q16        | 21.36  | 21.43  | 21.47  | 22.50              |
|                                  |         | MID       | Q16        | 21.24  | 21.52  | 21.57  | 22.50              |
|                                  |         | HIGH      | Q16        | 21.53  | 21.31  | 21.40  | 22.50              |
|                                  | 15      | LOW       | Q16        | 21.54  | 21.41  | 21.38  | 22.50              |
| 3                                | 1       | LOW       | 64QAM      | 21.70  | 21.84  | 21.89  | 22.50              |
|                                  |         | MID       | 64QAM      | 21.68  | 21.57  | 22.16  | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.92  | 21.82  | 22.20  | 22.50              |
|                                  | 8       | LOW       | 64QAM      | 20.39  | 20.40  | 20.30  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.40  | 20.32  | 20.65  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.34  | 20.31  | 20.26  | 21.50              |
|                                  | 15      | LOW       | 64QAM      | 20.40  | 20.67  | 20.32  | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 131997 | 132322 | 132647 | Tune-up power(dBm) |
| 5                                | 1       | LOW       | QPSK       | 23.21  | 23.38  | 23.45  | 24.50              |
|                                  |         | MID       | QPSK       | 23.14  | 23.18  | 23.16  | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.52  | 23.36  | 23.30  | 24.50              |
|                                  | 12      | LOW       | QPSK       | 22.37  | 22.44  | 22.41  | 23.50              |
|                                  |         | MID       | QPSK       | 22.41  | 22.31  | 22.55  | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.53  | 22.48  | 22.43  | 23.50              |
|                                  | 25      | LOW       | QPSK       | 22.52  | 22.53  | 22.32  | 23.50              |
| 5                                | 1       | LOW       | Q16        | 22.93  | 22.67  | 22.82  | 23.50              |
|                                  |         | MID       | Q16        | 22.54  | 22.78  | 23.09  | 23.50              |
|                                  |         | HIGH      | Q16        | 22.77  | 22.90  | 22.85  | 23.50              |
|                                  | 12      | LOW       | Q16        | 21.47  | 21.39  | 21.40  | 22.50              |
|                                  |         | MID       | Q16        | 21.48  | 21.49  | 21.39  | 22.50              |
|                                  |         | HIGH      | Q16        | 21.57  | 21.55  | 21.37  | 22.50              |
|                                  | 25      | LOW       | Q16        | 21.43  | 21.56  | 21.57  | 22.50              |
| 5                                | 1       | LOW       | 64QAM      | 21.58  | 21.76  | 22.00  | 22.50              |
|                                  |         | MID       | 64QAM      | 21.61  | 21.78  | 21.90  | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.89  | 21.76  | 22.20  | 22.50              |
|                                  | 12      | LOW       | 64QAM      | 20.46  | 20.20  | 20.19  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.40  | 20.31  | 20.58  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.48  | 20.36  | 20.20  | 21.50              |
|                                  | 25      | LOW       | 64QAM      | 20.47  | 20.69  | 20.47  | 21.50              |

| LTE B66-Full Power -Ant.2 (ENDC) |         |           |            |        |        |        |                    |
|----------------------------------|---------|-----------|------------|--------|--------|--------|--------------------|
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 132022 | 132322 | 132622 | Tune-up power(dBm) |
| 10                               | 1       | LOW       | QPSK       | 23.41  | 23.17  | 23.21  | 24.50              |
|                                  |         | MID       | QPSK       | 23.12  | 23.40  | 23.37  | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.34  | 23.36  | 23.29  | 24.50              |
|                                  | 25      | LOW       | QPSK       | 22.41  | 22.44  | 22.40  | 23.50              |
|                                  |         | MID       | QPSK       | 22.39  | 22.48  | 22.45  | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.49  | 22.30  | 22.39  | 23.50              |
|                                  | 50      | LOW       | QPSK       | 22.30  | 22.41  | 22.43  | 23.50              |
| 10                               | 1       | LOW       | Q16        | 22.97  | 22.68  | 22.82  | 23.50              |
|                                  |         | MID       | Q16        | 22.43  | 22.76  | 23.14  | 23.50              |
|                                  |         | HIGH      | Q16        | 22.87  | 22.71  | 23.01  | 23.50              |
|                                  | 25      | LOW       | Q16        | 21.39  | 21.43  | 21.42  | 22.50              |
|                                  |         | MID       | Q16        | 21.44  | 21.36  | 21.52  | 22.50              |
|                                  |         | HIGH      | Q16        | 21.57  | 21.51  | 21.40  | 22.50              |
|                                  | 50      | LOW       | Q16        | 21.46  | 21.42  | 21.33  | 22.50              |
| 10                               | 1       | LOW       | 64QAM      | 21.67  | 21.75  | 21.89  | 22.50              |
|                                  |         | MID       | 64QAM      | 21.45  | 21.64  | 22.11  | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.90  | 21.72  | 22.05  | 22.50              |
|                                  | 25      | LOW       | 64QAM      | 20.67  | 20.45  | 20.35  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.50  | 20.22  | 20.60  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.58  | 20.47  | 20.36  | 21.50              |
|                                  | 50      | LOW       | 64QAM      | 20.46  | 20.58  | 20.43  | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 132047 | 132322 | 132597 | Tune-up power(dBm) |
| 15                               | 1       | LOW       | QPSK       | 23.29  | 23.13  | 23.38  | 24.50              |
|                                  |         | MID       | QPSK       | 23.03  | 23.12  | 23.39  | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.37  | 23.36  | 23.39  | 24.50              |
|                                  | 36      | LOW       | QPSK       | 22.43  | 22.44  | 22.21  | 23.50              |
|                                  |         | MID       | QPSK       | 22.13  | 22.32  | 22.32  | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.29  | 22.32  | 22.50  | 23.50              |
|                                  | 75      | LOW       | QPSK       | 22.44  | 22.58  | 22.32  | 23.50              |
| 15                               | 1       | LOW       | Q16        | 22.91  | 22.64  | 22.78  | 23.50              |
|                                  |         | MID       | Q16        | 22.65  | 22.61  | 23.04  | 23.50              |
|                                  |         | HIGH      | Q16        | 22.90  | 22.89  | 23.02  | 23.50              |
|                                  | 36      | LOW       | Q16        | 21.47  | 21.29  | 21.24  | 22.50              |
|                                  |         | MID       | Q16        | 21.28  | 21.26  | 21.48  | 22.50              |
|                                  |         | HIGH      | Q16        | 21.37  | 21.37  | 21.42  | 22.50              |
|                                  | 75      | LOW       | Q16        | 21.32  | 21.36  | 21.32  | 22.50              |
| 15                               | 1       | LOW       | 64QAM      | 21.58  | 21.80  | 21.81  | 22.50              |
|                                  |         | MID       | 64QAM      | 21.70  | 21.86  | 21.99  | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.90  | 21.68  | 22.22  | 22.50              |
|                                  | 36      | LOW       | 64QAM      | 20.53  | 20.40  | 20.45  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.63  | 20.21  | 20.46  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.49  | 20.45  | 20.46  | 21.50              |
|                                  | 75      | LOW       | 64QAM      | 20.48  | 20.50  | 20.33  | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 132072 | 132322 | 132572 | Tune-up power(dBm) |
| 20                               | 1       | LOW       | QPSK       | 23.34  | 23.24  | 23.30  | 24.50              |
|                                  |         | MID       | QPSK       | 23.09  | 23.26  | 23.29  | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.34  | 23.34  | 23.33  | 24.50              |
|                                  | 50      | LOW       | QPSK       | 22.34  | 22.36  | 22.33  | 23.50              |
|                                  |         | MID       | QPSK       | 22.28  | 22.44  | 22.44  | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.43  | 22.45  | 22.42  | 23.50              |
|                                  | 100     | LOW       | QPSK       | 22.45  | 22.45  | 22.42  | 23.50              |
| 20                               | 1       | LOW       | Q16        | 22.86  | 22.72  | 22.88  | 23.50              |
|                                  |         | MID       | Q16        | 22.58  | 22.75  | 23.00  | 23.50              |
|                                  |         | HIGH      | Q16        | 22.88  | 22.78  | 22.94  | 23.50              |
|                                  | 50      | LOW       | Q16        | 21.37  | 21.32  | 21.36  | 22.50              |
|                                  |         | MID       | Q16        | 21.36  | 21.40  | 21.49  | 22.50              |
|                                  |         | HIGH      | Q16        | 21.48  | 21.42  | 21.43  | 22.50              |
|                                  | 100     | LOW       | Q16        | 21.44  | 21.44  | 21.45  | 22.50              |
| 20                               | 1       | LOW       | 64QAM      | 21.71  | 21.75  | 21.91  | 22.50              |
|                                  |         | MID       | 64QAM      | 21.56  | 21.72  | 22.02  | 22.50              |
|                                  |         | HIGH      | 64QAM      | 22.02  | 21.70  | 22.08  | 22.50              |
|                                  | 50      | LOW       | 64QAM      | 20.52  | 20.30  | 20.33  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.49  | 20.32  | 20.61  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.45  | 20.32  | 20.33  | 21.50              |
|                                  | 100     | LOW       | 64QAM      | 20.44  | 20.37  | 20.46  | 21.50              |

## 8.4.11 LTE Band66 Output Power

| LTE B66-Full Power -Ant.2 (ENDC) |         |           |            |        |        |        |                    |
|----------------------------------|---------|-----------|------------|--------|--------|--------|--------------------|
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 131979 | 132322 | 132665 | Tune-up power(dBm) |
| 1.4                              | 1       | LOW       | QPSK       | 20.19  | 20.22  | 20.37  | 21.50              |
|                                  |         | MID       | QPSK       | 20.15  | 20.19  | 20.13  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.18  | 20.22  | 20.34  | 21.50              |
|                                  | 3       | LOW       | QPSK       | 20.11  | 20.22  | 20.11  | 21.50              |
|                                  |         | MID       | QPSK       | 20.08  | 20.11  | 20.31  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.51  | 20.26  | 20.36  | 21.50              |
|                                  | 6       | LOW       | QPSK       | 20.50  | 20.47  | 20.53  | 21.50              |
| 1.4                              | 1       | LOW       | Q16        | 20.71  | 20.61  | 20.71  | 21.50              |
|                                  |         | MID       | Q16        | 20.42  | 20.89  | 20.94  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.80  | 20.67  | 20.93  | 21.50              |
|                                  | 3       | LOW       | Q16        | 20.94  | 20.19  | 20.88  | 21.50              |
|                                  |         | MID       | Q16        | 20.49  | 20.79  | 20.89  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.65  | 20.80  | 20.93  | 21.50              |
|                                  | 6       | LOW       | Q16        | 20.40  | 20.41  | 20.25  | 21.50              |
| 1.4                              | 1       | LOW       | 64QAM      | 20.84  | 20.74  | 20.50  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.66  | 20.89  | 20.97  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.74  | 20.71  | 20.94  | 21.50              |
|                                  | 3       | LOW       | 64QAM      | 20.86  | 20.37  | 20.82  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.43  | 21.00  | 20.90  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.59  | 20.77  | 20.98  | 21.50              |
|                                  | 6       | LOW       | 64QAM      | 20.48  | 20.27  | 20.26  | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 131987 | 132322 | 132657 | Tune-up power(dBm) |
| 3                                | 1       | LOW       | QPSK       | 20.10  | 20.21  | 20.38  | 21.50              |
|                                  |         | MID       | QPSK       | 20.20  | 20.32  | 20.32  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.32  | 20.36  | 20.49  | 21.50              |
|                                  | 8       | LOW       | QPSK       | 20.52  | 20.56  | 20.43  | 21.50              |
|                                  |         | MID       | QPSK       | 20.30  | 20.39  | 20.47  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.30  | 20.22  | 20.31  | 21.50              |
|                                  | 15      | LOW       | QPSK       | 20.49  | 20.59  | 20.28  | 21.50              |
| 3                                | 1       | LOW       | Q16        | 20.68  | 20.45  | 20.71  | 21.50              |
|                                  |         | MID       | Q16        | 20.54  | 20.83  | 21.16  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.71  | 20.70  | 20.84  | 21.50              |
|                                  | 8       | LOW       | Q16        | 20.31  | 20.42  | 20.49  | 21.50              |
|                                  |         | MID       | Q16        | 20.23  | 20.48  | 20.53  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.50  | 20.35  | 20.26  | 21.50              |
|                                  | 15      | LOW       | Q16        | 20.46  | 20.43  | 20.41  | 21.50              |
| 3                                | 1       | LOW       | 64QAM      | 20.75  | 20.84  | 20.95  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.55  | 20.47  | 21.02  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.89  | 20.84  | 21.08  | 21.50              |
|                                  | 8       | LOW       | 64QAM      | 20.33  | 20.25  | 20.38  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.29  | 20.22  | 20.66  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.38  | 20.30  | 20.21  | 21.50              |
|                                  | 15      | LOW       | 64QAM      | 20.48  | 20.53  | 20.35  | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 131997 | 132322 | 132647 | Tune-up power(dBm) |
| 5                                | 1       | LOW       | QPSK       | 20.11  | 20.46  | 20.30  | 21.50              |
|                                  |         | MID       | QPSK       | 20.21  | 20.09  | 20.24  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.37  | 20.31  | 20.18  | 21.50              |
|                                  | 12      | LOW       | QPSK       | 20.27  | 20.51  | 20.29  | 21.50              |
|                                  |         | MID       | QPSK       | 20.42  | 20.20  | 20.44  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.49  | 20.48  | 20.51  | 21.50              |
|                                  | 25      | LOW       | QPSK       | 20.40  | 20.40  | 20.39  | 21.50              |
| 5                                | 1       | LOW       | Q16        | 20.82  | 20.74  | 20.76  | 21.50              |
|                                  |         | MID       | Q16        | 20.43  | 20.82  | 21.08  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.77  | 20.82  | 20.92  | 21.50              |
|                                  | 12      | LOW       | Q16        | 20.34  | 20.34  | 20.32  | 21.50              |
|                                  |         | MID       | Q16        | 20.40  | 20.36  | 20.32  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.55  | 20.57  | 20.31  | 21.50              |
|                                  | 25      | LOW       | Q16        | 20.30  | 20.56  | 20.58  | 21.50              |
| 5                                | 1       | LOW       | 64QAM      | 20.48  | 20.78  | 20.94  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.61  | 20.65  | 20.86  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.93  | 20.66  | 21.08  | 21.50              |
|                                  | 12      | LOW       | 64QAM      | 20.42  | 20.24  | 20.09  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.29  | 20.38  | 20.55  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.54  | 20.42  | 20.19  | 21.50              |
|                                  | 25      | LOW       | 64QAM      | 20.55  | 20.53  | 20.36  | 21.50              |

| LTE B66-Full Power -Ant.2 (ENDC) |         |           |            |        |        |        |                    |
|----------------------------------|---------|-----------|------------|--------|--------|--------|--------------------|
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 132022 | 132322 | 132622 | Tune-up power(dBm) |
| 10                               | 1       | LOW       | QPSK       | 20.26  | 20.22  | 20.21  | 21.50              |
|                                  |         | MID       | QPSK       | 20.12  | 20.34  | 20.24  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.26  | 20.34  | 20.23  | 21.50              |
|                                  | 25      | LOW       | QPSK       | 20.44  | 20.49  | 20.25  | 21.50              |
|                                  |         | MID       | QPSK       | 20.27  | 20.38  | 20.34  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.34  | 20.33  | 20.35  | 21.50              |
|                                  | 50      | LOW       | QPSK       | 20.37  | 20.42  | 20.39  | 21.50              |
| 10                               | 1       | LOW       | Q16        | 20.96  | 20.53  | 20.69  | 21.50              |
|                                  |         | MID       | Q16        | 20.45  | 20.71  | 21.20  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.93  | 20.66  | 21.01  | 21.50              |
|                                  | 25      | LOW       | Q16        | 20.44  | 20.51  | 20.32  | 21.50              |
|                                  |         | MID       | Q16        | 20.39  | 20.39  | 20.41  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.43  | 20.59  | 20.33  | 21.50              |
|                                  | 50      | LOW       | Q16        | 20.54  | 20.41  | 20.30  | 21.50              |
| 10                               | 1       | LOW       | 64QAM      | 20.71  | 20.60  | 20.74  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.46  | 20.67  | 21.02  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.91  | 20.67  | 21.11  | 21.50              |
|                                  | 25      | LOW       | 64QAM      | 20.65  | 20.48  | 20.23  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.58  | 20.25  | 20.54  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.48  | 20.32  | 20.31  | 21.50              |
|                                  | 50      | LOW       | 64QAM      | 20.39  | 20.61  | 20.34  | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 132047 | 132322 | 132597 | Tune-up power(dBm) |
| 15                               | 1       | LOW       | QPSK       | 20.21  | 20.10  | 20.26  | 21.50              |
|                                  |         | MID       | QPSK       | 20.01  | 19.98  | 20.46  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.43  | 20.24  | 20.27  | 21.50              |
|                                  | 36      | LOW       | QPSK       | 20.39  | 20.30  | 20.06  | 21.50              |
|                                  |         | MID       | QPSK       | 20.21  | 20.21  | 20.37  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.30  | 20.35  | 20.36  | 21.50              |
|                                  | 75      | LOW       | QPSK       | 20.48  | 20.45  | 20.26  | 21.50              |
| 15                               | 1       | LOW       | Q16        | 20.82  | 20.70  | 20.66  | 21.50              |
|                                  |         | MID       | Q16        | 20.50  | 20.58  | 21.07  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.93  | 20.90  | 20.96  | 21.50              |
|                                  | 36      | LOW       | Q16        | 20.48  | 20.15  | 20.29  | 21.50              |
|                                  |         | MID       | Q16        | 20.32  | 20.23  | 20.48  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.26  | 20.30  | 20.49  | 21.50              |
|                                  | 75      | LOW       | Q16        | 20.34  | 20.32  | 20.17  | 21.50              |
| 15                               | 1       | LOW       | 64QAM      | 20.51  | 20.76  | 20.70  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.70  | 20.81  | 21.05  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.92  | 20.73  | 21.17  | 21.50              |
|                                  | 36      | LOW       | 64QAM      | 20.55  | 20.44  | 20.46  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.66  | 20.28  | 20.42  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.34  | 20.34  | 20.31  | 21.50              |
|                                  | 75      | LOW       | 64QAM      | 20.33  | 20.45  | 20.22  | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 132072 | 132322 | 132572 | Tune-up power(dBm) |
| 20                               | 1       | LOW       | QPSK       | 20.40  | 20.30  | 20.32  | 21.50              |
|                                  |         | MID       | QPSK       | 20.09  | 20.13  | 20.28  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.30  | 20.31  | 20.37  | 21.50              |
|                                  | 50      | LOW       | QPSK       | 20.36  | 20.23  | 20.19  | 21.50              |
|                                  |         | MID       | QPSK       | 20.19  | 20.43  | 20.45  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.46  | 20.44  | 20.27  | 21.50              |
|                                  | 100     | LOW       | QPSK       | 20.42  | 20.53  | 20.41  | 21.50              |
| 20                               | 1       | LOW       | Q16        | 20.80  | 20.67  | 20.91  | 21.50              |
|                                  |         | MID       | Q16        | 20.63  | 20.79  | 21.05  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.80  | 20.73  | 20.98  | 21.50              |
|                                  | 50      | LOW       | Q16        | 20.33  | 20.31  | 20.40  | 21.50              |
|                                  |         | MID       | Q16        | 20.22  | 20.37  | 20.35  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.49  | 20.32  | 20.40  | 21.50              |
|                                  | 100     | LOW       | Q16        | 20.41  | 20.44  | 20.40  | 21.50              |
| 20                               | 1       | LOW       | 64QAM      | 20.60  | 20.74  | 20.79  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.49  | 20.76  | 20.93  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.93  | 20.55  | 21.12  | 21.50              |
|                                  | 50      | LOW       | 64QAM      | 20.42  | 20.32  | 20.39  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.50  | 20.28  | 20.56  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.51  | 20.31  | 20.34  | 21.50              |
|                                  | 100     | LOW       | 64QAM      | 20.29  | 20.44  | 20.49  | 21.50              |



## 8.4.11 LTE Band66 Output Power

| LTE B66-Full Power -Ant.6 (ENDC) |         |           |            |        |        |        |                    |
|----------------------------------|---------|-----------|------------|--------|--------|--------|--------------------|
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 131979 | 132322 | 132665 | Tune-up power(dBm) |
| 1.4                              | 1       | LOW       | QPSK       | 23.40  | 23.31  | 23.48  | 24.50              |
|                                  |         | MID       | QPSK       | 23.31  | 23.22  | 23.29  | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.31  | 23.42  | 23.23  | 24.50              |
|                                  | 3       | LOW       | QPSK       | 23.43  | 23.32  | 23.33  | 24.50              |
|                                  |         | MID       | QPSK       | 23.33  | 23.40  | 23.33  | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.19  | 23.54  | 23.27  | 24.50              |
|                                  | 6       | LOW       | QPSK       | 22.31  | 22.58  | 22.67  | 23.50              |
| 1.4                              | 1       | LOW       | Q16        | 22.93  | 22.85  | 22.85  | 23.50              |
|                                  |         | MID       | Q16        | 22.79  | 22.68  | 22.64  | 23.50              |
|                                  |         | HIGH      | Q16        | 22.60  | 22.65  | 22.83  | 23.50              |
|                                  | 3       | LOW       | Q16        | 22.83  | 22.67  | 22.71  | 23.50              |
|                                  |         | MID       | Q16        | 22.84  | 22.89  | 22.66  | 23.50              |
|                                  |         | HIGH      | Q16        | 22.84  | 22.84  | 22.99  | 23.50              |
|                                  | 6       | LOW       | Q16        | 21.54  | 21.49  | 21.63  | 22.50              |
| 1.4                              | 1       | LOW       | 64QAM      | 21.98  | 21.97  | 21.72  | 22.50              |
|                                  |         | MID       | 64QAM      | 21.76  | 21.66  | 21.58  | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.72  | 21.57  | 21.81  | 22.50              |
|                                  | 3       | LOW       | 64QAM      | 21.86  | 21.52  | 21.60  | 22.50              |
|                                  |         | MID       | 64QAM      | 21.99  | 21.93  | 21.53  | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.85  | 21.93  | 21.99  | 22.50              |
|                                  | 6       | LOW       | 64QAM      | 20.41  | 20.56  | 20.70  | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 131987 | 132322 | 132657 | Tune-up power(dBm) |
| 3                                | 1       | LOW       | QPSK       | 23.42  | 23.49  | 23.27  | 24.50              |
|                                  |         | MID       | QPSK       | 23.32  | 23.21  | 23.37  | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.19  | 23.34  | 23.19  | 24.50              |
|                                  | 8       | LOW       | QPSK       | 22.57  | 22.57  | 22.30  | 23.50              |
|                                  |         | MID       | QPSK       | 22.65  | 22.43  | 22.24  | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.53  | 22.66  | 22.50  | 23.50              |
|                                  | 15      | LOW       | QPSK       | 22.45  | 22.51  | 22.52  | 23.50              |
| 3                                | 1       | LOW       | Q16        | 22.70  | 22.63  | 22.86  | 23.50              |
|                                  |         | MID       | Q16        | 22.72  | 22.57  | 22.73  | 23.50              |
|                                  |         | HIGH      | Q16        | 22.75  | 22.92  | 22.86  | 23.50              |
|                                  | 8       | LOW       | Q16        | 21.44  | 21.46  | 21.31  | 22.50              |
|                                  |         | MID       | Q16        | 21.54  | 21.44  | 21.49  | 22.50              |
|                                  |         | HIGH      | Q16        | 21.67  | 21.47  | 21.47  | 22.50              |
|                                  | 15      | LOW       | Q16        | 21.81  | 21.73  | 21.67  | 22.50              |
| 3                                | 1       | LOW       | 64QAM      | 21.85  | 21.81  | 21.97  | 22.50              |
|                                  |         | MID       | 64QAM      | 21.89  | 21.89  | 21.89  | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.70  | 22.02  | 22.07  | 22.50              |
|                                  | 8       | LOW       | 64QAM      | 20.55  | 20.56  | 20.59  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.66  | 20.45  | 20.61  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.64  | 20.58  | 20.39  | 21.50              |
|                                  | 15      | LOW       | 64QAM      | 20.59  | 20.57  | 20.58  | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 131997 | 132322 | 132647 | Tune-up power(dBm) |
| 5                                | 1       | LOW       | QPSK       | 23.52  | 23.29  | 23.35  | 24.50              |
|                                  |         | MID       | QPSK       | 23.41  | 23.36  | 23.26  | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.42  | 23.54  | 23.26  | 24.50              |
|                                  | 12      | LOW       | QPSK       | 22.33  | 22.54  | 22.32  | 23.50              |
|                                  |         | MID       | QPSK       | 22.59  | 22.39  | 22.42  | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.49  | 22.53  | 22.44  | 23.50              |
|                                  | 25      | LOW       | QPSK       | 22.55  | 22.62  | 22.57  | 23.50              |
| 5                                | 1       | LOW       | Q16        | 22.84  | 22.85  | 22.98  | 23.50              |
|                                  |         | MID       | Q16        | 22.85  | 22.78  | 22.51  | 23.50              |
|                                  |         | HIGH      | Q16        | 22.69  | 22.91  | 22.97  | 23.50              |
|                                  | 12      | LOW       | Q16        | 21.45  | 21.40  | 21.46  | 22.50              |
|                                  |         | MID       | Q16        | 21.31  | 21.49  | 21.58  | 22.50              |
|                                  |         | HIGH      | Q16        | 21.54  | 21.69  | 21.36  | 22.50              |
|                                  | 25      | LOW       | Q16        | 21.63  | 21.57  | 21.57  | 22.50              |
| 5                                | 1       | LOW       | 64QAM      | 21.94  | 21.92  | 21.88  | 22.50              |
|                                  |         | MID       | 64QAM      | 22.02  | 22.00  | 21.85  | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.91  | 22.13  | 21.91  | 22.50              |
|                                  | 12      | LOW       | 64QAM      | 20.36  | 20.55  | 20.74  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.67  | 20.36  | 20.76  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.61  | 20.55  | 20.58  | 21.50              |
|                                  | 25      | LOW       | 64QAM      | 20.71  | 20.76  | 20.52  | 21.50              |

| LTE B66-Full Power -Ant.6 (ENDC) |         |           |            |           |        |        |                    |
|----------------------------------|---------|-----------|------------|-----------|--------|--------|--------------------|
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 132022    | 132322 | 132622 | Tune-up power(dBm) |
| 10                               | 1       | LOW       | QPSK       | 23.51     | 23.33  | 23.36  | 24.50              |
|                                  |         | MID       | QPSK       | 23.19     | 23.36  | 23.34  | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.46     | 23.39  | 23.15  | 24.50              |
|                                  | 25      | LOW       | QPSK       | 22.43     | 22.38  | 22.58  | 23.50              |
|                                  |         | MID       | QPSK       | 22.42     | 22.48  | 22.49  | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.59     | 22.50  | 22.53  | 23.50              |
|                                  | 50      | LOW       | QPSK       | 22.57     | 22.65  | 22.50  | 23.50              |
| 10                               | 1       | LOW       | Q16        | 22.80     | 22.76  | 22.98  | 23.50              |
|                                  |         | MID       | Q16        | 22.93     | 22.71  | 22.74  | 23.50              |
|                                  |         | HIGH      | Q16        | 22.67     | 22.76  | 22.95  | 23.50              |
|                                  | 25      | LOW       | Q16        | 21.66     | 21.35  | 21.44  | 22.50              |
|                                  |         | MID       | Q16        | 21.60     | 21.56  | 21.56  | 22.50              |
|                                  |         | HIGH      | Q16        | 21.38     | 21.56  | 21.36  | 22.50              |
|                                  | 50      | LOW       | Q16        | 21.53     | 21.50  | 21.49  | 22.50              |
| 10                               | 1       | LOW       | 64QAM      | 21.85     | 22.06  | 21.82  | 22.50              |
|                                  |         | MID       | 64QAM      | 22.00     | 22.12  | 21.92  | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.75     | 22.17  | 21.89  | 22.50              |
|                                  | 25      | LOW       | 64QAM      | 20.59     | 20.61  | 20.66  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.67     | 20.53  | 20.75  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.53     | 20.51  | 20.55  | 21.50              |
|                                  | 50      | LOW       | 64QAM      | 20.50     | 20.73  | 20.48  | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 132047    | 132322 | 132597 | Tune-up power(dBm) |
| 15                               | 1       | LOW       | QPSK       | 23.26     | 23.46  | 23.36  | 24.50              |
|                                  |         | MID       | QPSK       | 23.44     | 23.22  | 23.24  | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.28     | 23.28  | 23.22  | 24.50              |
|                                  | 36      | LOW       | QPSK       | 22.49     | 22.29  | 22.37  | 23.50              |
|                                  |         | MID       | QPSK       | 22.49     | 22.60  | 22.45  | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.72     | 22.65  | 22.31  | 23.50              |
|                                  | 75      | LOW       | QPSK       | 22.49     | 22.60  | 22.63  | 23.50              |
| 15                               | 1       | LOW       | Q16        | 22.79     | 22.92  | 22.82  | 23.50              |
|                                  |         | MID       | Q16        | 22.78     | 22.84  | 22.64  | 23.50              |
|                                  |         | HIGH      | Q16        | 22.74     | 22.65  | 22.73  | 23.50              |
|                                  | 36      | LOW       | Q16        | 21.42     | 21.38  | 21.25  | 22.50              |
|                                  |         | MID       | Q16        | 21.52     | 21.66  | 21.49  | 22.50              |
|                                  |         | HIGH      | Q16        | 21.43     | 21.41  | 21.37  | 22.50              |
|                                  | 75      | LOW       | Q16        | 21.72     | 21.64  | 21.66  | 22.50              |
| 15                               | 1       | LOW       | 64QAM      | 21.90     | 21.93  | 22.07  | 22.50              |
|                                  |         | MID       | 64QAM      | 21.88     | 21.85  | 22.03  | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.72     | 22.13  | 22.11  | 22.50              |
|                                  | 36      | LOW       | 64QAM      | 20.53     | 20.43  | 20.56  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.71     | 20.34  | 20.49  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.59     | 20.56  | 20.60  | 21.50              |
|                                  | 75      | LOW       | 64QAM      | 20.60     | 20.52  | 20.62  | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 132072    | 132322 | 132572 | Tune-up power(dBm) |
| 20                               | 1       | LOW       | QPSK       | 23.38     | 23.42  | 23.35  | 24.50              |
|                                  |         | MID       | QPSK       | 23.31     | 23.33  | 23.24  | 24.50              |
|                                  |         | HIGH      | QPSK       | 23.32     | 23.41  | 23.28  | 24.50              |
|                                  | 50      | LOW       | QPSK       | 22.46     | 22.43  | 22.44  | 23.50              |
|                                  |         | MID       | QPSK       | 22.50     | 22.54  | 22.36  | 23.50              |
|                                  |         | HIGH      | QPSK       | 22.52     | 22.52  | 22.42  | 23.50              |
|                                  | 100     | LOW       | QPSK       | 22.42     | 22.56  | 22.54  | 23.50              |
| 20                               | 1       | LOW       | Q16        | 22.79     | 22.78  | 22.85  | 23.50              |
|                                  |         | MID       | Q16        | 22.83     | 22.72  | 22.65  | 23.50              |
|                                  |         | HIGH      | Q16        | 22.75     | 22.77  | 22.87  | 23.50              |
|                                  | 50      | LOW       | Q16        | 21.57     | 21.49  | 21.35  | 22.50              |
|                                  |         | MID       | Q16        | 21.46     | 21.59  | 21.44  | 22.50              |
|                                  |         | HIGH      | Q16        | 21.52     | 21.55  | 21.38  | 22.50              |
|                                  | 100     | LOW       | Q16        | 21.66     | 21.58  | 21.55  | 22.50              |
| 20                               | 1       | LOW       | 64QAM      | 21.84     | 21.93  | 21.96  | 22.50              |
|                                  |         | MID       | 64QAM      | 21.99     | 21.97  | 21.93  | 22.50              |
|                                  |         | HIGH      | 64QAM      | 21.85     | 22.04  | 22.03  | 22.50              |
|                                  | 50      | LOW       | 64QAM      | 20.50     | 20.52  | 20.65  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.67     | 20.38  | 20.63  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.60     | 20.66  | 20.53  | 21.50              |
|                                  | 100     | LOW       | 64QAM      | 20.58/137 | 20.62  | 20.65  | 21.50              |

## 8.4.11 LTE Band66 Output Power

| LTE B66-Full Power -Ant.6 (ENDC) |         |           |            |           |        |        |                    |
|----------------------------------|---------|-----------|------------|-----------|--------|--------|--------------------|
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 131979    | 132322 | 132665 | Tune-up power(dBm) |
| 1.4                              | 1       | LOW       | QPSK       | 20.26     | 20.23  | 20.46  | 21.50              |
|                                  |         | MID       | QPSK       | 20.30     | 20.27  | 20.28  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.34     | 20.37  | 20.27  | 21.50              |
|                                  | 3       | LOW       | QPSK       | 20.39     | 20.29  | 20.37  | 21.50              |
|                                  |         | MID       | QPSK       | 20.24     | 20.44  | 20.28  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.07     | 20.41  | 20.33  | 21.50              |
|                                  | 6       | LOW       | QPSK       | 20.21     | 20.60  | 20.54  | 21.50              |
| 1.4                              | 1       | LOW       | Q16        | 20.95     | 20.76  | 20.76  | 21.50              |
|                                  |         | MID       | Q16        | 20.65     | 20.56  | 20.66  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.63     | 20.68  | 20.81  | 21.50              |
|                                  | 3       | LOW       | Q16        | 20.87     | 20.57  | 20.57  | 21.50              |
|                                  |         | MID       | Q16        | 20.69     | 20.97  | 20.74  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.78     | 20.79  | 20.94  | 21.50              |
|                                  | 6       | LOW       | Q16        | 20.57     | 20.40  | 20.56  | 21.50              |
| 1.4                              | 1       | LOW       | 64QAM      | 21.05     | 21.01  | 20.62  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.65     | 20.61  | 20.53  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.74     | 20.61  | 20.81  | 21.50              |
|                                  | 3       | LOW       | 64QAM      | 20.91     | 20.54  | 20.67  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.90     | 21.01  | 20.47  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.89     | 20.80  | 20.90  | 21.50              |
|                                  | 6       | LOW       | 64QAM      | 20.26     | 20.50  | 20.64  | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 131987    | 132322 | 132657 | Tune-up power(dBm) |
| 3                                | 1       | LOW       | QPSK       | 20.33     | 20.38  | 20.32  | 21.50              |
|                                  |         | MID       | QPSK       | 20.19     | 20.21  | 20.36  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.09     | 20.37  | 20.21  | 21.50              |
|                                  | 8       | LOW       | QPSK       | 20.53     | 20.62  | 20.17  | 21.50              |
|                                  |         | MID       | QPSK       | 20.73     | 20.29  | 20.11  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.52     | 20.54  | 20.52  | 21.50              |
|                                  | 15      | LOW       | QPSK       | 20.49     | 20.42  | 20.43  | 21.50              |
| 3                                | 1       | LOW       | Q16        | 20.77     | 20.52  | 20.84  | 21.50              |
|                                  |         | MID       | Q16        | 20.67     | 20.61  | 20.72  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.69     | 20.77  | 20.74  | 21.50              |
|                                  | 8       | LOW       | Q16        | 20.44     | 20.32  | 20.19  | 21.50              |
|                                  |         | MID       | Q16        | 20.53     | 20.33  | 20.42  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.58     | 20.42  | 20.47  | 21.50              |
|                                  | 15      | LOW       | Q16        | 20.78     | 20.77  | 20.65  | 21.50              |
| 3                                | 1       | LOW       | 64QAM      | 20.89     | 20.81  | 21.05  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.77     | 20.92  | 20.88  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.74     | 21.09  | 21.12  | 21.50              |
|                                  | 8       | LOW       | 64QAM      | 20.57     | 20.57  | 20.62  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.63     | 20.46  | 20.53  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.64     | 20.57  | 20.29  | 21.50              |
|                                  | 15      | LOW       | 64QAM      | 20.55     | 20.51  | 20.65  | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 131997    | 132322 | 132647 | Tune-up power(dBm) |
| 5                                | 1       | LOW       | QPSK       | 20.51     | 20.35  | 20.20  | 21.50              |
|                                  |         | MID       | QPSK       | 20.47     | 20.29  | 20.20  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.45     | 20.48  | 20.30  | 21.50              |
|                                  | 12      | LOW       | QPSK       | 20.19     | 20.54  | 20.23  | 21.50              |
|                                  |         | MID       | QPSK       | 20.54     | 20.28  | 20.31  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.52     | 20.46  | 20.32  | 21.50              |
|                                  | 25      | LOW       | QPSK       | 20.52     | 20.58  | 20.56  | 21.50              |
| 5                                | 1       | LOW       | Q16        | 20.88     | 20.78  | 20.86  | 21.50              |
|                                  |         | MID       | Q16        | 20.80     | 20.74  | 20.57  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.74     | 20.78  | 20.88  | 21.50              |
|                                  | 12      | LOW       | Q16        | 20.40     | 20.46  | 20.50  | 21.50              |
|                                  |         | MID       | Q16        | 20.39     | 20.41  | 20.46  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.45     | 20.74  | 20.35  | 21.50              |
|                                  | 25      | LOW       | Q16        | 20.51     | 20.52  | 20.55  | 21.50              |
| 5                                | 1       | LOW       | 64QAM      | 20.99     | 20.94  | 20.80  | 21.50              |
|                                  |         | MID       | 64QAM      | 21.07     | 20.94  | 20.93  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.79     | 21.20  | 20.95  | 21.50              |
|                                  | 12      | LOW       | 64QAM      | 20.38     | 20.46  | 20.77  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.59     | 20.31  | 20.84  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.58     | 20.50  | 20.65  | 21.50              |
|                                  | 25      | LOW       | 64QAM      | 20.59/137 | 20.77  | 20.87  | 21.50              |

| LTE B66-Full Power -Ant.6 (ENDC) |         |           |            |           |        |        |                    |
|----------------------------------|---------|-----------|------------|-----------|--------|--------|--------------------|
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 132022    | 132322 | 132622 | Tune-up power(dBm) |
| 10                               | 1       | LOW       | QPSK       | 20.51     | 20.22  | 20.35  | 21.50              |
|                                  |         | MID       | QPSK       | 20.19     | 20.43  | 20.37  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.31     | 20.42  | 20.01  | 21.50              |
|                                  | 25      | LOW       | QPSK       | 20.47     | 20.32  | 20.53  | 21.50              |
|                                  |         | MID       | QPSK       | 20.39     | 20.42  | 20.45  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.66     | 20.46  | 20.60  | 21.50              |
|                                  | 50      | LOW       | QPSK       | 20.45     | 20.68  | 20.44  | 21.50              |
| 10                               | 1       | LOW       | Q16        | 20.81     | 20.64  | 20.96  | 21.50              |
|                                  |         | MID       | Q16        | 20.87     | 20.61  | 20.81  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.72     | 20.72  | 20.87  | 21.50              |
|                                  | 25      | LOW       | Q16        | 20.68     | 20.43  | 20.38  | 21.50              |
|                                  |         | MID       | Q16        | 20.63     | 20.53  | 20.48  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.29     | 20.51  | 20.41  | 21.50              |
|                                  | 50      | LOW       | Q16        | 20.56     | 20.52  | 20.47  | 21.50              |
| 10                               | 1       | LOW       | 64QAM      | 20.91     | 20.94  | 20.75  | 21.50              |
|                                  |         | MID       | 64QAM      | 21.05     | 21.01  | 20.79  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.69     | 21.21  | 20.78  | 21.50              |
|                                  | 25      | LOW       | 64QAM      | 20.48     | 20.50  | 20.59  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.70     | 20.56  | 20.82  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.52     | 20.48  | 20.61  | 21.50              |
|                                  | 50      | LOW       | 64QAM      | 20.36     | 20.80  | 20.48  | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 132047    | 132322 | 132597 | Tune-up power(dBm) |
| 15                               | 1       | LOW       | QPSK       | 20.11     | 20.41  | 20.34  | 21.50              |
|                                  |         | MID       | QPSK       | 20.41     | 20.17  | 20.28  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.19     | 20.23  | 20.08  | 21.50              |
|                                  | 36      | LOW       | QPSK       | 20.56     | 20.23  | 20.25  | 21.50              |
|                                  |         | MID       | QPSK       | 20.40     | 20.68  | 20.48  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.59     | 20.66  | 20.39  | 21.50              |
|                                  | 75      | LOW       | QPSK       | 20.57     | 20.48  | 20.50  | 21.50              |
| 15                               | 1       | LOW       | Q16        | 20.80     | 21.00  | 20.70  | 21.50              |
|                                  |         | MID       | Q16        | 20.78     | 20.77  | 20.70  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.81     | 20.51  | 20.73  | 21.50              |
|                                  | 36      | LOW       | Q16        | 20.43     | 20.36  | 20.33  | 21.50              |
|                                  |         | MID       | Q16        | 20.43     | 20.68  | 20.54  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.37     | 20.33  | 20.44  | 21.50              |
|                                  | 75      | LOW       | Q16        | 20.58     | 20.69  | 20.71  | 21.50              |
| 15                               | 1       | LOW       | 64QAM      | 20.91     | 20.90  | 20.97  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.79     | 20.89  | 21.00  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.71     | 20.98  | 21.06  | 21.50              |
|                                  | 36      | LOW       | 64QAM      | 20.55     | 20.50  | 20.56  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.74     | 20.37  | 20.42  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.50     | 20.50  | 20.57  | 21.50              |
|                                  | 75      | LOW       | 64QAM      | 20.66     | 20.46  | 20.52  | 21.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 132072    | 132322 | 132572 | Tune-up power(dBm) |
| 20                               | 1       | LOW       | QPSK       | 20.25     | 20.32  | 20.35  | 21.50              |
|                                  |         | MID       | QPSK       | 20.21     | 20.33  | 20.31  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.30     | 20.44  | 20.32  | 21.50              |
|                                  | 50      | LOW       | QPSK       | 20.35     | 20.32  | 20.52  | 21.50              |
|                                  |         | MID       | QPSK       | 20.45     | 20.44  | 20.43  | 21.50              |
|                                  |         | HIGH      | QPSK       | 20.57     | 20.53  | 20.28  | 21.50              |
|                                  | 100     | LOW       | QPSK       | 20.34     | 20.60  | 20.55  | 21.50              |
| 20                               | 1       | LOW       | Q16        | 20.81     | 20.72  | 20.74  | 21.50              |
|                                  |         | MID       | Q16        | 20.77     | 20.78  | 20.62  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.72     | 20.67  | 20.72  | 21.50              |
|                                  | 50      | LOW       | Q16        | 20.60     | 20.46  | 20.23  | 21.50              |
|                                  |         | MID       | Q16        | 20.41     | 20.52  | 20.39  | 21.50              |
|                                  |         | HIGH      | Q16        | 20.54     | 20.58  | 20.29  | 21.50              |
|                                  | 100     | LOW       | Q16        | 20.70     | 20.62  | 20.59  | 21.50              |
| 20                               | 1       | LOW       | 64QAM      | 20.74     | 20.81  | 21.02  | 21.50              |
|                                  |         | MID       | 64QAM      | 21.07     | 20.87  | 20.84  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.83     | 20.91  | 21.00  | 21.50              |
|                                  | 50      | LOW       | 64QAM      | 20.51     | 20.43  | 20.56  | 21.50              |
|                                  |         | MID       | 64QAM      | 20.74     | 20.46  | 20.57  | 21.50              |
|                                  |         | HIGH      | 64QAM      | 20.53     | 20.70  | 20.43  | 21.50              |
|                                  | 100     | LOW       | 64QAM      | 20.60/137 | 20.61  | 20.57  | 21.50              |

## 8.4.12LTE Band71 Output Power

| LTE B71-Full Power -Ant.0 |         |           |            |        |        |        |                    |
|---------------------------|---------|-----------|------------|--------|--------|--------|--------------------|
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 133147 | 133297 | 133447 | Tune-up power(dBm) |
| 5                         | 1       | LOW       | QPSK       | 22.75  | 22.71  | 22.56  | 24.50              |
|                           |         | MID       | QPSK       | 22.60  | 22.71  | 22.80  | 24.50              |
|                           |         | HIGH      | QPSK       | 23.11  | 22.83  | 22.85  | 24.50              |
|                           | 12      | LOW       | QPSK       | 21.65  | 21.89  | 21.82  | 23.50              |
|                           |         | MID       | QPSK       | 21.73  | 21.95  | 21.75  | 23.50              |
|                           |         | HIGH      | QPSK       | 21.96  | 21.79  | 22.05  | 23.50              |
| 5                         | 1       | LOW       | QPSK       | 21.83  | 21.96  | 21.88  | 23.50              |
|                           | 12      | LOW       | Q16        | 22.69  | 22.26  | 21.99  | 23.50              |
|                           |         | MID       | Q16        | 22.37  | 22.44  | 22.24  | 23.50              |
|                           |         | HIGH      | Q16        | 22.43  | 22.46  | 22.30  | 23.50              |
|                           | 25      | LOW       | Q16        | 20.93  | 20.77  | 20.94  | 22.50              |
|                           |         | MID       | Q16        | 20.80  | 21.04  | 20.70  | 22.50              |
| 5                         | 1       | LOW       | Q16        | 20.86  | 20.80  | 20.89  | 22.50              |
|                           | 12      | LOW       | Q16        | 21.10  | 20.91  | 20.82  | 22.50              |
|                           |         | MID       | Q16        | 21.70  | 21.34  | 21.23  | 22.50              |
|                           | 25      | MID       | 64QAM      | 21.40  | 21.39  | 21.00  | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.44  | 21.41  | 21.32  | 22.50              |
|                           |         | LOW       | 64QAM      | 19.85  | 19.83  | 19.70  | 21.50              |
| 5                         | 1       | MID       | 64QAM      | 19.75  | 19.95  | 19.66  | 21.50              |
|                           | 12      | HIGH      | 64QAM      | 19.95  | 19.72  | 20.04  | 21.50              |
|                           |         | LOW       | 64QAM      | 20.13  | 19.81  | 19.74  | 21.50              |
|                           | 25      | LOW       | 64QAM      | 20.13  | 19.81  | 19.74  | 21.50              |
|                           |         | MID       | 64QAM      | 20.13  | 19.81  | 19.74  | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.13  | 19.81  | 19.74  | 21.50              |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 133172 | 133297 | 133422 | Tune-up power(dBm) |
| 10                        | 1       | LOW       | QPSK       | 22.65  | 22.65  | 22.71  | 24.50              |
|                           |         | MID       | QPSK       | 22.84  | 22.79  | 22.60  | 24.50              |
|                           |         | HIGH      | QPSK       | 23.09  | 22.93  | 22.80  | 24.50              |
|                           | 25      | LOW       | QPSK       | 21.67  | 21.95  | 21.80  | 23.50              |
|                           |         | MID       | QPSK       | 21.93  | 21.97  | 21.80  | 23.50              |
|                           |         | HIGH      | QPSK       | 21.94  | 21.80  | 21.88  | 23.50              |
| 10                        | 1       | LOW       | QPSK       | 21.90  | 21.70  | 21.76  | 23.50              |
|                           | 25      | LOW       | Q16        | 22.46  | 22.14  | 22.02  | 23.50              |
|                           |         | MID       | Q16        | 22.34  | 22.41  | 22.08  | 23.50              |
|                           |         | HIGH      | Q16        | 22.51  | 22.34  | 22.04  | 23.50              |
|                           | 50      | LOW       | Q16        | 20.72  | 20.93  | 20.70  | 22.50              |
|                           |         | MID       | Q16        | 20.86  | 21.05  | 20.68  | 22.50              |
| 10                        | 1       | HIGH      | Q16        | 20.91  | 20.92  | 20.94  | 22.50              |
|                           | 25      | LOW       | Q16        | 20.97  | 20.95  | 20.99  | 22.50              |
|                           |         | MID       | Q16        | 20.97  | 20.95  | 20.99  | 22.50              |
|                           | 50      | LOW       | 64QAM      | 21.75  | 21.16  | 21.12  | 22.50              |
|                           |         | MID       | 64QAM      | 21.28  | 21.47  | 21.15  | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.52  | 21.43  | 21.38  | 22.50              |
| 10                        | 1       | LOW       | 64QAM      | 19.95  | 19.71  | 19.90  | 21.50              |
|                           | 25      | MID       | 64QAM      | 19.92  | 20.11  | 19.80  | 21.50              |
|                           |         | HIGH      | 64QAM      | 19.83  | 19.70  | 19.90  | 21.50              |
|                           | 50      | LOW       | 64QAM      | 19.83  | 19.70  | 19.90  | 21.50              |
|                           |         | MID       | 64QAM      | 19.83  | 19.70  | 19.90  | 21.50              |
|                           |         | HIGH      | 64QAM      | 19.83  | 19.70  | 19.90  | 21.50              |

| LTE B71-Full Power -Ant.0 |         |           |            |        |        |        |                    |
|---------------------------|---------|-----------|------------|--------|--------|--------|--------------------|
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 133197 | 133297 | 133397 | Tune-up power(dBm) |
| 15                        | 1       | LOW       | QPSK       | 22.76  | 22.73  | 22.64  | 24.50              |
|                           |         | MID       | QPSK       | 22.85  | 22.72  | 22.83  | 24.50              |
|                           |         | HIGH      | QPSK       | 23.03  | 22.84  | 22.70  | 24.50              |
|                           | 36      | LOW       | QPSK       | 21.84  | 21.79  | 21.98  | 23.50              |
|                           |         | MID       | QPSK       | 21.76  | 21.92  | 21.73  | 23.50              |
|                           |         | HIGH      | QPSK       | 21.81  | 21.86  | 21.90  | 23.50              |
|                           | 75      | LOW       | QPSK       | 21.99  | 21.75  | 21.98  | 23.50              |
| 15                        | 1       | LOW       | Q16        | 22.42  | 22.11  | 22.23  | 23.50              |
|                           |         | MID       | Q16        | 22.37  | 22.32  | 22.19  | 23.50              |
|                           |         | HIGH      | Q16        | 22.63  | 22.25  | 22.16  | 23.50              |
|                           | 36      | LOW       | Q16        | 20.67  | 20.77  | 20.80  | 22.50              |
|                           |         | MID       | Q16        | 20.80  | 20.81  | 20.78  | 22.50              |
|                           |         | HIGH      | Q16        | 20.98  | 20.79  | 20.98  | 22.50              |
|                           | 75      | LOW       | Q16        | 20.88  | 20.96  | 20.79  | 22.50              |
| 15                        | 1       | LOW       | 64QAM      | 21.54  | 21.45  | 21.04  | 22.50              |
|                           |         | MID       | 64QAM      | 21.38  | 21.27  | 20.98  | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.38  | 21.38  | 21.18  | 22.50              |
|                           | 36      | LOW       | 64QAM      | 19.81  | 19.70  | 19.79  | 21.50              |
|                           |         | MID       | 64QAM      | 19.87  | 20.16  | 19.71  | 21.50              |
|                           |         | HIGH      | 64QAM      | 19.96  | 19.91  | 19.93  | 21.50              |
|                           | 75      | LOW       | 64QAM      | 20.00  | 19.88  | 19.90  | 21.50              |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 133222 | 133297 | 133372 | Tune-up power(dBm) |
| 20                        | 1       | LOW       | QPSK       | 22.74  | 22.69  | 22.67  | 24.50              |
|                           |         | MID       | QPSK       | 22.74  | 22.83  | 22.74  | 24.50              |
|                           |         | HIGH      | QPSK       | 22.96  | 22.98  | 22.70  | 24.50              |
|                           | 50      | LOW       | QPSK       | 21.80  | 21.80  | 21.83  | 23.50              |
|                           |         | MID       | QPSK       | 21.88  | 21.87  | 21.83  | 23.50              |
|                           |         | HIGH      | QPSK       | 21.90  | 21.90  | 21.90  | 23.50              |
|                           | 100     | LOW       | QPSK       | 21.90  | 21.84  | 21.83  | 23.50              |
| 20                        | 1       | LOW       | Q16        | 22.55  | 22.26  | 22.14  | 23.50              |
|                           |         | MID       | Q16        | 22.39  | 22.33  | 22.19  | 23.50              |
|                           |         | HIGH      | Q16        | 22.53  | 22.39  | 22.17  | 23.50              |
|                           | 50      | LOW       | Q16        | 20.82  | 20.82  | 20.85  | 22.50              |
|                           |         | MID       | Q16        | 20.92  | 20.91  | 20.80  | 22.50              |
|                           |         | HIGH      | Q16        | 20.96  | 20.93  | 20.88  | 22.50              |
|                           | 100     | LOW       | Q16        | 20.97  | 20.85  | 20.84  | 22.50              |
| 20                        | 1       | LOW       | 64QAM      | 21.67  | 21.31  | 21.15  | 22.50              |
|                           |         | MID       | 64QAM      | 21.36  | 21.42  | 21.11  | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.50  | 21.41  | 21.28  | 22.50              |
|                           | 50      | LOW       | 64QAM      | 19.85  | 19.82  | 19.84  | 21.50              |
|                           |         | MID       | 64QAM      | 19.80  | 20.04  | 19.80  | 21.50              |
|                           |         | HIGH      | 64QAM      | 19.98  | 19.82  | 19.91  | 21.50              |
|                           | 100     | LOW       | 64QAM      | 20.04  | 19.95  | 19.81  | 21.50              |

## 8.4.13 LTE Band38 Output Power

| LTE B38-Full Power -Ant.2 |         |           |            |       |       |       |                    |
|---------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth                 | RB Size | RB offset | Modulation | 37775 | 38000 | 38225 | Tune-up power(dBm) |
| 5                         | 1       | LOW       | QPSK       | 22.93 | 22.97 | 23.28 | 24.50              |
|                           |         | MID       | QPSK       | 22.98 | 22.90 | 23.23 | 24.50              |
|                           |         | HIGH      | QPSK       | 23.16 | 23.10 | 23.06 | 24.50              |
|                           | 12      | LOW       | QPSK       | 22.10 | 22.24 | 22.31 | 23.50              |
|                           |         | MID       | QPSK       | 22.02 | 22.27 | 22.35 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.03 | 22.35 | 22.36 | 23.50              |
|                           | 25      | LOW       | QPSK       | 22.05 | 22.26 | 22.10 | 23.50              |
|                           | 5       | 1         | LOW        | Q16   | 21.65 | 21.78 | 22.33              |
|                           |         |           | MID        | Q16   | 21.83 | 22.04 | 22.39              |
|                           |         |           | HIGH       | Q16   | 21.96 | 22.01 | 22.23              |
|                           |         | 12        | LOW        | Q16   | 21.14 | 21.31 | 21.26              |
|                           |         |           | MID        | Q16   | 21.12 | 21.30 | 21.23              |
|                           |         |           | HIGH       | Q16   | 21.03 | 21.21 | 21.41              |
|                           | 25      | LOW       | Q16        | 21.05 | 21.20 | 21.17 | 22.50              |
| 5                         | 1       | LOW       | 64QAM      | 20.72 | 20.99 | 21.32 | 22.50              |
|                           |         | MID       | 64QAM      | 20.84 | 20.95 | 21.33 | 22.50              |
|                           |         | HIGH      | 64QAM      | 20.95 | 21.14 | 21.29 | 22.50              |
|                           | 12      | LOW       | 64QAM      | 20.06 | 20.00 | 20.19 | 21.50              |
|                           |         | MID       | 64QAM      | 20.13 | 20.24 | 20.26 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.05 | 20.24 | 20.32 | 21.50              |
|                           | 25      | LOW       | 64QAM      | 20.20 | 20.43 | 20.05 | 21.50              |
| Bandwidth                 | RB Size | RB offset | Modulation | 37800 | 38000 | 38200 | Tune-up power(dBm) |
| 10                        | 1       | LOW       | QPSK       | 22.72 | 22.93 | 23.12 | 24.50              |
|                           |         | MID       | QPSK       | 23.06 | 22.93 | 23.25 | 24.50              |
|                           |         | HIGH      | QPSK       | 22.98 | 22.98 | 23.05 | 24.50              |
|                           | 25      | LOW       | QPSK       | 22.11 | 22.17 | 22.13 | 23.50              |
|                           |         | MID       | QPSK       | 21.99 | 22.33 | 22.24 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.17 | 22.22 | 22.26 | 23.50              |
| 10                        | 50      | LOW       | QPSK       | 21.91 | 22.34 | 22.28 | 23.50              |
|                           | 1       | LOW       | Q16        | 21.79 | 21.90 | 22.36 | 23.50              |
|                           |         | MID       | Q16        | 21.94 | 21.85 | 22.25 | 23.50              |
|                           |         | HIGH      | Q16        | 22.09 | 21.95 | 22.47 | 23.50              |
|                           | 25      | LOW       | Q16        | 20.98 | 21.12 | 21.27 | 22.50              |
|                           |         | MID       | Q16        | 20.87 | 21.36 | 21.23 | 22.50              |
|                           |         | HIGH      | Q16        | 21.14 | 21.27 | 21.28 | 22.50              |
|                           | 50      | LOW       | Q16        | 21.14 | 21.38 | 21.25 | 22.50              |
| 10                        | 1       | LOW       | 64QAM      | 20.79 | 20.75 | 21.29 | 22.50              |
|                           |         | MID       | 64QAM      | 20.88 | 20.99 | 21.53 | 22.50              |
|                           |         | HIGH      | 64QAM      | 20.88 | 21.12 | 21.49 | 22.50              |
|                           | 25      | LOW       | 64QAM      | 20.12 | 20.19 | 20.28 | 21.50              |
|                           |         | MID       | 64QAM      | 20.01 | 20.26 | 20.47 | 21.50              |
|                           |         | HIGH      | 64QAM      | 19.94 | 20.48 | 20.16 | 21.50              |
|                           | 50      | LOW       | 64QAM      | 20.22 | 20.53 | 19.96 | 21.50              |

| LTE B38-Full Power -Ant.2 |         |           |            |       |       |       |                    |
|---------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth                 | RB Size | RB offset | Modulation | 37825 | 38000 | 38175 | Tune-up power(dBm) |
| 15                        | 1       | LOW       | QPSK       | 22.85 | 23.14 | 23.11 | 24.50              |
|                           |         | MID       | QPSK       | 22.85 | 22.95 | 23.09 | 24.50              |
|                           |         | HIGH      | QPSK       | 23.10 | 23.05 | 23.23 | 24.50              |
|                           | 36      | LOW       | QPSK       | 21.98 | 22.10 | 22.22 | 23.50              |
|                           |         | MID       | QPSK       | 22.11 | 22.38 | 22.24 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.21 | 22.19 | 22.28 | 23.50              |
|                           | 75      | LOW       | QPSK       | 21.90 | 22.37 | 22.12 | 23.50              |
|                           | 15      | LOW       | Q16        | 21.80 | 21.83 | 22.22 | 23.50              |
|                           |         | MID       | Q16        | 21.85 | 22.08 | 22.34 | 23.50              |
|                           |         | HIGH      | Q16        | 21.97 | 22.00 | 22.32 | 23.50              |
|                           |         | LOW       | Q16        | 21.11 | 21.27 | 21.20 | 22.50              |
|                           |         | MID       | Q16        | 21.12 | 21.19 | 21.44 | 22.50              |
|                           |         | HIGH      | Q16        | 21.10 | 21.22 | 21.23 | 22.50              |
|                           | 75      | LOW       | Q16        | 21.02 | 21.18 | 21.24 | 22.50              |
| 15                        | 1       | LOW       | 64QAM      | 20.78 | 20.75 | 21.39 | 22.50              |
|                           |         | MID       | 64QAM      | 20.69 | 20.98 | 21.32 | 22.50              |
|                           |         | HIGH      | 64QAM      | 20.89 | 21.03 | 21.44 | 22.50              |
|                           | 36      | LOW       | 64QAM      | 20.23 | 20.00 | 20.13 | 21.50              |
|                           |         | MID       | 64QAM      | 20.03 | 20.07 | 20.49 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.03 | 20.26 | 20.16 | 21.50              |
|                           | 75      | LOW       | 64QAM      | 20.05 | 20.51 | 19.96 | 21.50              |
| Bandwidth                 | RB Size | RB offset | Modulation | 37850 | 38000 | 38150 | Tune-up power(dBm) |
| 20                        | 1       | LOW       | QPSK       | 22.87 | 23.00 | 23.07 | 24.50              |
|                           |         | MID       | QPSK       | 22.99 | 23.03 | 23.13 | 24.50              |
|                           |         | HIGH      | QPSK       | 23.02 | 23.21 | 23.15 | 24.50              |
|                           | 50      | LOW       | QPSK       | 22.10 | 22.23 | 22.18 | 23.50              |
|                           |         | MID       | QPSK       | 22.07 | 22.25 | 22.13 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.07 | 22.26 | 22.26 | 23.50              |
|                           | 100     | LOW       | QPSK       | 22.05 | 22.25 | 22.19 | 23.50              |
|                           | 20      | LOW       | Q16        | 21.74 | 21.93 | 22.25 | 23.50              |
|                           |         | MID       | Q16        | 21.89 | 21.99 | 22.32 | 23.50              |
|                           |         | HIGH      | Q16        | 21.95 | 22.08 | 22.34 | 23.50              |
|                           |         | LOW       | Q16        | 21.02 | 21.24 | 21.21 | 22.50              |
|                           |         | MID       | Q16        | 21.00 | 21.28 | 21.35 | 22.50              |
|                           |         | HIGH      | Q16        | 21.03 | 21.23 | 21.29 | 22.50              |
|                           | 100     | LOW       | Q16        | 21.02 | 21.27 | 21.20 | 22.50              |
| 20                        | 1       | LOW       | 64QAM      | 20.84 | 20.85 | 21.33 | 22.50              |
|                           |         | MID       | 64QAM      | 20.80 | 21.08 | 21.41 | 22.50              |
|                           |         | HIGH      | 64QAM      | 20.83 | 21.07 | 21.43 | 22.50              |
|                           | 50      | LOW       | 64QAM      | 20.10 | 20.13 | 20.22 | 21.50              |
|                           |         | MID       | 64QAM      | 20.04 | 20.16 | 20.41 | 21.50              |
|                           |         | HIGH      | 64QAM      | 19.92 | 20.37 | 20.30 | 21.50              |
|                           | 100     | LOW       | 64QAM      | 20.13 | 20.40 | 20.05 | 21.50              |



## 8.4.14LTE Band41 Output Power

| LTE B41-Full Power -Ant.2 |         |           |            |       |       |       |       |       |                    |
|---------------------------|---------|-----------|------------|-------|-------|-------|-------|-------|--------------------|
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 39675 | 40110 | 40620 | 41130 | 41565 | Tune-up power(dBm) |
| 5                         | 1       | LOW       | QPSK       | 25.26 | 25.13 | 25.52 | 25.17 | 25.39 | 26.50              |
|                           |         | MID       | QPSK       | 25.21 | 25.24 | 25.44 | 25.27 | 25.18 | 26.50              |
|                           |         | HIGH      | QPSK       | 25.20 | 25.23 | 25.68 | 25.24 | 25.25 | 26.50              |
|                           | 12      | LOW       | QPSK       | 24.65 | 24.40 | 24.23 | 23.92 | 23.94 | 25.50              |
|                           |         | MID       | QPSK       | 24.87 | 24.47 | 24.32 | 23.86 | 24.11 | 25.50              |
|                           |         | HIGH      | QPSK       | 24.85 | 24.43 | 24.24 | 23.68 | 24.23 | 25.50              |
| 25                        | LOW     | QPSK      | 24.86      | 24.72 | 24.35 | 23.93 | 23.99 | 25.50 |                    |
| 5                         | 1       | LOW       | Q16        | 25.26 | 24.70 | 24.61 | 24.17 | 24.49 | 25.50              |
|                           |         | MID       | Q16        | 25.44 | 24.74 | 24.26 | 23.94 | 24.67 | 25.50              |
|                           |         | HIGH      | Q16        | 25.07 | 24.68 | 24.33 | 24.20 | 24.89 | 25.50              |
|                           | 12      | LOW       | Q16        | 24.28 | 23.96 | 23.88 | 23.90 | 23.88 | 25.50              |
|                           |         | MID       | Q16        | 24.26 | 24.20 | 24.07 | 24.02 | 23.77 | 25.50              |
|                           |         | HIGH      | Q16        | 24.25 | 24.13 | 23.86 | 23.54 | 23.89 | 25.50              |
| 25                        | LOW     | Q16       | 24.28      | 24.19 | 23.89 | 23.59 | 23.80 | 25.50 |                    |
| 5                         | 1       | LOW       | 64QAM      | 24.13 | 23.58 | 23.44 | 23.22 | 23.55 | 24.50              |
|                           |         | MID       | 64QAM      | 24.44 | 23.79 | 23.54 | 22.79 | 23.79 | 24.50              |
|                           |         | HIGH      | 64QAM      | 24.46 | 23.60 | 23.39 | 23.01 | 23.84 | 24.50              |
|                           | 12      | LOW       | 64QAM      | 22.16 | 21.85 | 22.19 | 21.85 | 21.84 | 23.50              |
|                           |         | MID       | 64QAM      | 22.13 | 22.33 | 22.08 | 21.87 | 22.01 | 23.50              |
|                           |         | HIGH      | 64QAM      | 22.18 | 22.11 | 21.97 | 21.68 | 22.00 | 23.50              |
| 25                        | LOW     | 64QAM     | 22.25      | 21.97 | 21.89 | 21.74 | 21.77 | 23.50 |                    |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 39700 | 40135 | 40620 | 41105 | 41540 | Tune-up power(dBm) |
| 10                        | 1       | LOW       | QPSK       | 25.40 | 25.13 | 25.68 | 25.28 | 25.39 | 26.50              |
|                           |         | MID       | QPSK       | 25.13 | 25.31 | 25.69 | 25.21 | 25.22 | 26.50              |
|                           |         | HIGH      | QPSK       | 25.21 | 25.33 | 25.50 | 25.34 | 25.21 | 26.50              |
|                           | 25      | LOW       | QPSK       | 24.64 | 24.52 | 24.47 | 24.03 | 23.96 | 25.50              |
|                           |         | MID       | QPSK       | 24.76 | 24.50 | 24.21 | 23.96 | 24.11 | 25.50              |
|                           |         | HIGH      | QPSK       | 24.85 | 24.40 | 24.26 | 23.74 | 24.00 | 25.50              |
| 50                        | LOW     | QPSK      | 24.70      | 24.67 | 24.49 | 23.94 | 24.17 | 25.50 |                    |
| 10                        | 1       | LOW       | Q16        | 25.37 | 24.60 | 24.61 | 24.07 | 24.47 | 25.50              |
|                           |         | MID       | Q16        | 25.24 | 24.74 | 24.20 | 24.17 | 24.70 | 25.50              |
|                           |         | HIGH      | Q16        | 25.18 | 24.71 | 24.49 | 24.05 | 25.03 | 25.50              |
|                           | 25      | LOW       | Q16        | 24.17 | 24.05 | 23.85 | 23.80 | 23.77 | 25.50              |
|                           |         | MID       | Q16        | 24.25 | 24.16 | 23.96 | 23.98 | 23.94 | 25.50              |
|                           |         | HIGH      | Q16        | 24.38 | 24.01 | 23.84 | 23.65 | 23.96 | 25.50              |
| 50                        | LOW     | Q16       | 24.42      | 24.06 | 24.07 | 23.73 | 23.71 | 25.50 |                    |
| 10                        | 1       | LOW       | 64QAM      | 24.20 | 23.64 | 23.51 | 23.22 | 23.55 | 24.50              |
|                           |         | MID       | 64QAM      | 24.44 | 23.99 | 23.54 | 22.91 | 23.74 | 24.50              |
|                           |         | HIGH      | 64QAM      | 24.21 | 23.61 | 23.45 | 22.90 | 24.01 | 24.50              |
|                           | 25      | LOW       | 64QAM      | 22.10 | 21.93 | 22.18 | 22.00 | 21.79 | 23.50              |
|                           |         | MID       | 64QAM      | 22.35 | 22.34 | 22.00 | 21.67 | 21.84 | 23.50              |
|                           |         | HIGH      | 64QAM      | 22.21 | 22.00 | 21.75 | 21.73 | 22.05 | 23.50              |
| 50                        | LOW     | 64QAM     | 22.10      | 22.03 | 21.89 | 21.72 | 21.68 | 23.50 |                    |

| LTE B41-Full Power -Ant.2 |         |           |            |       |       |       |       |       |                    |
|---------------------------|---------|-----------|------------|-------|-------|-------|-------|-------|--------------------|
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 39725 | 40160 | 40620 | 41080 | 41515 | Tune-up power(dBm) |
| 15                        | 1       | LOW       | QPSK       | 25.42 | 25.37 | 25.54 | 25.43 | 25.28 | 26.50              |
|                           |         | MID       | QPSK       | 25.30 | 25.20 | 25.49 | 25.11 | 25.33 | 26.50              |
|                           |         | HIGH      | QPSK       | 25.25 | 25.34 | 25.49 | 25.24 | 25.35 | 26.50              |
|                           | 36      | LOW       | QPSK       | 24.62 | 24.59 | 24.29 | 23.81 | 23.94 | 25.50              |
|                           |         | MID       | QPSK       | 24.90 | 24.54 | 24.26 | 23.98 | 24.00 | 25.50              |
|                           |         | HIGH      | QPSK       | 24.65 | 24.43 | 24.38 | 23.86 | 24.12 | 25.50              |
| 75                        | LOW     | QPSK      | 24.74      | 24.55 | 24.26 | 23.93 | 24.11 | 25.50 |                    |
| 15                        | 1       | LOW       | Q16        | 25.40 | 24.77 | 24.45 | 24.27 | 24.72 | 25.50              |
|                           |         | MID       | Q16        | 25.48 | 24.64 | 24.28 | 24.09 | 24.74 | 25.50              |
|                           |         | HIGH      | Q16        | 25.17 | 24.70 | 24.30 | 24.30 | 24.82 | 25.50              |
|                           | 36      | LOW       | Q16        | 24.26 | 23.96 | 23.86 | 23.78 | 23.83 | 25.50              |
|                           |         | MID       | Q16        | 24.21 | 24.14 | 24.03 | 23.81 | 23.90 | 25.50              |
|                           |         | HIGH      | Q16        | 24.12 | 24.00 | 24.04 | 23.77 | 24.04 | 25.50              |
| 75                        | LOW     | Q16       | 24.44      | 24.19 | 23.95 | 23.53 | 23.92 | 25.50 |                    |
| 15                        | 1       | LOW       | 64QAM      | 24.16 | 23.83 | 23.62 | 23.02 | 23.54 | 24.50              |
|                           |         | MID       | 64QAM      | 24.50 | 23.71 | 23.27 | 23.00 | 23.56 | 24.50              |
|                           |         | HIGH      | 64QAM      | 24.40 | 23.70 | 23.37 | 23.24 | 23.85 | 24.50              |
|                           | 36      | LOW       | 64QAM      | 22.36 | 21.84 | 21.89 | 21.61 | 21.78 | 23.50              |
|                           |         | MID       | 64QAM      | 22.11 | 22.21 | 22.00 | 21.86 | 21.96 | 23.50              |
|                           |         | HIGH      | 64QAM      | 22.32 | 21.92 | 21.97 | 21.79 | 21.95 | 23.50              |
| 75                        | LOW     | 64QAM     | 22.47      | 22.02 | 21.90 | 21.72 | 21.90 | 23.50 |                    |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 39750 | 40185 | 40620 | 41055 | 41490 | Tune-up power(dBm) |
| 20                        | 1       | LOW       | QPSK       | 25.34 | 25.28 | 25.56 | 25.28 | 25.32 | 26.50              |
|                           |         | MID       | QPSK       | 25.19 | 25.26 | 25.56 | 25.20 | 25.32 | 26.50              |
|                           |         | HIGH      | QPSK       | 25.28 | 25.23 | 25.61 | 25.29 | 25.34 | 26.50              |
|                           | 50      | LOW       | QPSK       | 24.74 | 24.49 | 24.38 | 23.89 | 24.01 | 25.50              |
|                           |         | MID       | QPSK       | 24.76 | 24.55 | 24.36 | 23.89 | 24.05 | 25.50              |
|                           |         | HIGH      | QPSK       | 24.74 | 24.52 | 24.34 | 23.82 | 24.10 | 25.50              |
| 100                       | LOW     | QPSK      | 24.73      | 24.57 | 24.35 | 23.86 | 24.07 | 25.50 |                    |
| 20                        | 1       | LOW       | Q16        | 25.27 | 24.72 | 24.48 | 24.14 | 24.58 | 25.50              |
|                           |         | MID       | Q16        | 25.33 | 24.76 | 24.32 | 24.06 | 24.62 | 25.50              |
|                           |         | HIGH      | Q16        | 25.21 | 24.75 | 24.42 | 24.19 | 24.97 | 25.50              |
|                           | 50      | LOW       | Q16        | 24.26 | 24.04 | 23.94 | 23.86 | 23.86 | 25.50              |
|                           |         | MID       | Q16        | 24.29 | 24.11 | 23.93 | 23.89 | 23.87 | 25.50              |
|                           |         | HIGH      | Q16        | 24.26 | 24.07 | 23.90 | 23.63 | 23.95 | 25.50              |
| 100                       | LOW     | Q16       | 24.32      | 24.12 | 23.94 | 23.66 | 23.86 | 25.50 |                    |
| 20                        | 1       | LOW       | 64QAM      | 24.12 | 23.92 | 23.54 | 23.13 | 23.69 | 24.50              |
|                           |         | MID       | 64QAM      | 24.47 | 23.60 | 23.33 | 22.94 | 23.51 | 24.50              |
|                           |         | HIGH      | 64QAM      | 24.34 | 23.63 | 23.50 | 23.23 | 23.92 | 24.50              |
|                           | 50      | LOW       | 64QAM      | 22.26 | 21.90 | 21.80 | 21.71 | 21.81 | 23.50              |
|                           |         | MID       | 64QAM      | 22.17 | 22.33 | 21.98 | 21.92 | 21.96 | 23.50              |
|                           |         | HIGH      | 64QAM      | 22.20 | 21.91 | 21.92 | 21.76 | 21.90 | 23.50              |
| 100                       | LOW     | 64QAM     | 22.44      | 22.06 | 21.85 | 21.65 | 21.84 | 23.50 |                    |

## 8.4.15LTE Band42 Output Power

| LTE B42-Full Power -Ant.3 |         |           |            |       |       |       |                    |
|---------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 42115 | 42590 | 43065 | Tune-up power(dBm) |
| 5                         | 1       | LOW       | QPSK       | 22.96 | 22.76 | 23.00 | 23.50              |
|                           |         | MID       | QPSK       | 22.78 | 22.82 | 22.96 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.74 | 22.71 | 23.26 | 23.50              |
|                           | 12      | LOW       | QPSK       | 21.78 | 21.69 | 21.69 | 22.50              |
|                           |         | MID       | QPSK       | 21.91 | 21.84 | 21.71 | 22.50              |
|                           |         | HIGH      | QPSK       | 21.75 | 21.95 | 21.84 | 22.50              |
| 25                        | LOW     | QPSK      | 21.76      | 21.63 | 21.51 | 22.50 |                    |
| 5                         | 1       | LOW       | Q16        | 22.16 | 22.09 | 21.97 | 22.50              |
|                           |         | MID       | Q16        | 22.20 | 22.05 | 21.96 | 22.50              |
|                           |         | HIGH      | Q16        | 21.99 | 21.85 | 22.02 | 22.50              |
|                           | 12      | LOW       | Q16        | 20.79 | 20.70 | 20.82 | 21.50              |
|                           |         | MID       | Q16        | 20.93 | 20.95 | 20.95 | 21.50              |
|                           |         | HIGH      | Q16        | 20.97 | 20.88 | 20.97 | 21.50              |
| 25                        | LOW     | Q16       | 20.86      | 20.77 | 20.67 | 21.50 |                    |
| 5                         | 1       | LOW       | 64QAM      | 20.90 | 20.93 | 20.84 | 21.50              |
|                           |         | MID       | 64QAM      | 20.89 | 21.26 | 21.02 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.94 | 21.08 | 20.97 | 21.50              |
|                           | 12      | LOW       | 64QAM      | 20.05 | 19.91 | 19.57 | 20.50              |
|                           |         | MID       | 64QAM      | 19.97 | 19.57 | 19.79 | 20.50              |
|                           |         | HIGH      | 64QAM      | 19.60 | 19.69 | 19.79 | 20.50              |
| 25                        | LOW     | 64QAM     | 19.74      | 19.81 | 19.64 | 20.50 |                    |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 42140 | 42590 | 43040 | Tune-up power(dBm) |
| 10                        | 1       | LOW       | QPSK       | 22.97 | 23.04 | 23.01 | 23.50              |
|                           |         | MID       | QPSK       | 22.67 | 22.75 | 22.98 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.86 | 22.64 | 23.02 | 23.50              |
|                           | 25      | LOW       | QPSK       | 21.78 | 21.77 | 21.87 | 22.50              |
|                           |         | MID       | QPSK       | 21.88 | 22.03 | 21.87 | 22.50              |
|                           |         | HIGH      | QPSK       | 21.48 | 21.87 | 21.66 | 22.50              |
| 50                        | LOW     | QPSK      | 21.85      | 21.93 | 21.73 | 22.50 |                    |
| 10                        | 1       | LOW       | Q16        | 22.06 | 22.11 | 21.87 | 22.50              |
|                           |         | MID       | Q16        | 22.10 | 22.10 | 22.03 | 22.50              |
|                           |         | HIGH      | Q16        | 22.06 | 22.06 | 21.89 | 22.50              |
|                           | 25      | LOW       | Q16        | 20.59 | 20.70 | 20.94 | 21.50              |
|                           |         | MID       | Q16        | 20.89 | 20.76 | 20.69 | 21.50              |
|                           |         | HIGH      | Q16        | 20.79 | 20.88 | 20.64 | 21.50              |
| 50                        | LOW     | Q16       | 20.89      | 20.86 | 20.77 | 21.50 |                    |
| 10                        | 1       | LOW       | 64QAM      | 20.89 | 21.09 | 21.20 | 21.50              |
|                           |         | MID       | 64QAM      | 21.13 | 21.30 | 20.87 | 21.50              |
|                           |         | HIGH      | 64QAM      | 21.13 | 21.07 | 20.91 | 21.50              |
|                           | 25      | LOW       | 64QAM      | 19.95 | 20.03 | 19.59 | 20.50              |
|                           |         | MID       | 64QAM      | 19.88 | 19.72 | 19.76 | 20.50              |
|                           |         | HIGH      | 64QAM      | 19.75 | 19.72 | 19.92 | 20.50              |
| 50                        | LOW     | 64QAM     | 19.66      | 19.74 | 19.65 | 20.50 |                    |

| LTE B42-Full Power -Ant.3 |         |           |            |       |       |       |                    |
|---------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 42165 | 42590 | 43015 | Tune-up power(dBm) |
| 15                        | 1       | LOW       | QPSK       | 22.74 | 22.88 | 23.31 | 23.50              |
|                           |         | MID       | QPSK       | 22.66 | 22.69 | 23.01 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.69 | 22.62 | 23.06 | 23.50              |
|                           | 36      | LOW       | QPSK       | 21.90 | 21.74 | 21.93 | 22.50              |
|                           |         | MID       | QPSK       | 21.84 | 21.78 | 21.70 | 22.50              |
|                           |         | HIGH      | QPSK       | 21.71 | 21.85 | 21.71 | 22.50              |
|                           | 75      | LOW       | QPSK       | 21.84 | 21.83 | 21.74 | 22.50              |
| 15                        | 1       | LOW       | Q16        | 22.12 | 21.92 | 21.71 | 22.50              |
|                           |         | MID       | Q16        | 22.18 | 22.07 | 22.03 | 22.50              |
|                           |         | HIGH      | Q16        | 22.14 | 22.08 | 22.01 | 22.50              |
|                           | 36      | LOW       | Q16        | 20.55 | 20.63 | 20.94 | 21.50              |
|                           |         | MID       | Q16        | 20.61 | 20.85 | 20.77 | 21.50              |
|                           |         | HIGH      | Q16        | 20.86 | 20.74 | 20.76 | 21.50              |
|                           | 75      | LOW       | Q16        | 20.56 | 20.75 | 20.64 | 21.50              |
| 15                        | 1       | LOW       | 64QAM      | 21.02 | 20.97 | 21.02 | 21.50              |
|                           |         | MID       | 64QAM      | 21.07 | 21.16 | 20.98 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.92 | 21.11 | 21.01 | 21.50              |
|                           | 36      | LOW       | 64QAM      | 19.88 | 19.96 | 19.76 | 20.50              |
|                           |         | MID       | 64QAM      | 19.74 | 19.79 | 19.63 | 20.50              |
|                           |         | HIGH      | 64QAM      | 19.79 | 19.88 | 19.93 | 20.50              |
|                           | 75      | LOW       | 64QAM      | 19.60 | 19.73 | 19.70 | 20.50              |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 42190 | 42590 | 42990 | Tune-up power(dBm) |
| 20                        | 1       | LOW       | QPSK       | 22.84 | 23.11 | 22.89 | 23.50              |
|                           |         | MID       | QPSK       | 22.63 | 23.02 | 22.75 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.68 | 23.16 | 22.82 | 23.50              |
|                           | 50      | LOW       | QPSK       | 21.85 | 21.90 | 21.77 | 22.50              |
|                           |         | MID       | QPSK       | 21.92 | 21.94 | 21.77 | 22.50              |
|                           |         | HIGH      | QPSK       | 21.76 | 21.68 | 21.76 | 22.50              |
|                           | 100     | LOW       | QPSK       | 21.83 | 21.83 | 21.73 | 22.50              |
| 20                        | 1       | LOW       | Q16        | 22.02 | 22.08 | 21.86 | 22.50              |
|                           |         | MID       | Q16        | 22.12 | 21.99 | 21.92 | 22.50              |
|                           |         | HIGH      | Q16        | 22.13 | 22.02 | 22.01 | 22.50              |
|                           | 50      | LOW       | Q16        | 20.71 | 20.73 | 20.87 | 21.50              |
|                           |         | MID       | Q16        | 20.79 | 20.84 | 20.82 | 21.50              |
|                           |         | HIGH      | Q16        | 20.91 | 20.88 | 20.87 | 21.50              |
|                           | 100     | LOW       | Q16        | 20.70 | 20.82 | 20.75 | 21.50              |
| 20                        | 1       | LOW       | 64QAM      | 21.08 | 21.12 | 21.00 | 21.50              |
|                           |         | MID       | 64QAM      | 21.08 | 21.15 | 21.05 | 21.50              |
|                           |         | HIGH      | 64QAM      | 21.05 | 20.92 | 21.09 | 21.50              |
|                           | 50      | LOW       | 64QAM      | 19.88 | 19.82 | 19.74 | 20.50              |
|                           |         | MID       | 64QAM      | 19.81 | 19.72 | 19.72 | 20.50              |
|                           |         | HIGH      | 64QAM      | 19.76 | 19.86 | 19.90 | 20.50              |
|                           | 100     | LOW       | 64QAM      | 19.63 | 19.81 | 19.69 | 20.50              |

## 8.4.16LTE Band43 Output Power

| LTE B43-Full Power -Ant.3 |         |           |            |       |       |       |                    |
|---------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 44615 | 45090 | 45565 | Tune-up power(dBm) |
| 5                         | 1       | LOW       | QPSK       | 22.95 | 23.21 | 22.99 | 24.50              |
|                           |         | MID       | QPSK       | 22.98 | 23.27 | 23.17 | 24.50              |
|                           |         | HIGH      | QPSK       | 23.10 | 23.21 | 23.11 | 24.50              |
|                           | 12      | LOW       | QPSK       | 22.30 | 22.10 | 22.06 | 23.50              |
|                           |         | MID       | QPSK       | 22.06 | 22.01 | 22.28 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.04 | 22.26 | 22.23 | 23.50              |
| 5                         | 1       | LOW       | QPSK       | 22.16 | 22.09 | 22.32 | 23.50              |
|                           | 12      | LOW       | Q16        | 22.31 | 22.34 | 22.42 | 23.50              |
|                           |         | MID       | Q16        | 22.03 | 22.28 | 22.20 | 23.50              |
|                           |         | HIGH      | Q16        | 22.28 | 22.23 | 22.21 | 23.50              |
|                           | 12      | LOW       | Q16        | 21.27 | 20.99 | 20.97 | 22.50              |
|                           |         | MID       | Q16        | 20.88 | 21.14 | 21.07 | 22.50              |
| 5                         | 1       | LOW       | Q16        | 21.00 | 21.30 | 21.11 | 22.50              |
|                           |         | MID       | Q16        | 21.04 | 21.31 | 21.39 | 22.50              |
|                           |         | HIGH      | Q16        | 21.25 | 21.22 | 21.17 | 22.50              |
|                           | 12      | LOW       | 64QAM      | 21.25 | 21.22 | 21.17 | 22.50              |
|                           |         | MID       | 64QAM      | 21.28 | 21.36 | 21.17 | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.35 | 21.41 | 21.15 | 22.50              |
| 5                         | 1       | LOW       | 64QAM      | 19.99 | 19.98 | 20.39 | 21.50              |
|                           |         | MID       | 64QAM      | 20.07 | 19.94 | 19.84 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.03 | 20.30 | 19.99 | 21.50              |
|                           | 12      | LOW       | 64QAM      | 20.11 | 20.07 | 20.04 | 21.50              |
|                           |         | MID       | 64QAM      | 20.11 | 20.07 | 20.04 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.11 | 20.07 | 20.04 | 21.50              |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 44640 | 45090 | 45540 | Tune-up power(dBm) |
| 10                        | 1       | LOW       | QPSK       | 22.93 | 23.28 | 23.05 | 24.50              |
|                           |         | MID       | QPSK       | 23.02 | 23.13 | 22.97 | 24.50              |
|                           |         | HIGH      | QPSK       | 23.14 | 23.06 | 22.91 | 24.50              |
|                           | 25      | LOW       | QPSK       | 22.10 | 22.03 | 22.33 | 23.50              |
|                           |         | MID       | QPSK       | 22.19 | 22.19 | 22.32 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.16 | 22.11 | 22.11 | 23.50              |
| 10                        | 1       | LOW       | QPSK       | 22.08 | 22.06 | 22.29 | 23.50              |
|                           |         | MID       | QPSK       | 22.08 | 22.06 | 22.29 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.08 | 22.06 | 22.29 | 23.50              |
|                           | 25      | LOW       | Q16        | 22.45 | 22.21 | 22.37 | 23.50              |
|                           |         | MID       | Q16        | 22.16 | 22.14 | 22.41 | 23.50              |
|                           |         | HIGH      | Q16        | 22.08 | 22.32 | 22.33 | 23.50              |
| 10                        | 1       | LOW       | Q16        | 21.31 | 21.03 | 21.10 | 22.50              |
|                           |         | MID       | Q16        | 20.99 | 21.11 | 21.26 | 22.50              |
|                           |         | HIGH      | Q16        | 21.20 | 21.09 | 20.88 | 22.50              |
|                           | 25      | LOW       | Q16        | 21.04 | 21.00 | 21.38 | 22.50              |
|                           |         | MID       | Q16        | 21.04 | 21.00 | 21.38 | 22.50              |
|                           |         | HIGH      | Q16        | 21.04 | 21.00 | 21.38 | 22.50              |
| 10                        | 1       | LOW       | 64QAM      | 21.16 | 21.35 | 21.17 | 22.50              |
|                           |         | MID       | 64QAM      | 21.38 | 21.45 | 21.19 | 22.50              |
|                           |         | HIGH      | 64QAM      | 21.29 | 21.46 | 21.41 | 22.50              |
|                           | 25      | LOW       | 64QAM      | 20.01 | 20.08 | 20.42 | 21.50              |
|                           |         | MID       | 64QAM      | 19.90 | 20.08 | 20.14 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.03 | 20.23 | 19.91 | 21.50              |
| 10                        | 50      | LOW       | 64QAM      | 20.16 | 20.04 | 19.86 | 21.50              |
|                           |         | MID       | 64QAM      | 20.16 | 20.04 | 19.86 | 21.50              |

| Bandwidth (MHz) | RB Size | RB offset | Modulation | 44665 | 45090 | 45515 | Tune-up power(dBm) |
|-----------------|---------|-----------|------------|-------|-------|-------|--------------------|
| 15              | 1       | LOW       | QPSK       | 22.87 | 23.25 | 22.94 | 24.50              |
|                 |         | MID       | QPSK       | 22.99 | 23.29 | 23.11 | 24.50              |
|                 |         | HIGH      | QPSK       | 22.93 | 23.09 | 22.88 | 24.50              |
|                 | 36      | LOW       | QPSK       | 22.17 | 21.98 | 22.12 | 23.50              |
|                 |         | MID       | QPSK       | 22.27 | 22.01 | 22.32 | 23.50              |
|                 |         | HIGH      | QPSK       | 22.06 | 22.33 | 22.24 | 23.50              |
|                 | 75      | LOW       | QPSK       | 21.94 | 22.06 | 22.32 | 23.50              |
| 15              | 1       | LOW       | Q16        | 22.33 | 22.47 | 22.29 | 23.50              |
|                 |         | MID       | Q16        | 22.29 | 22.07 | 22.17 | 23.50              |
|                 |         | HIGH      | Q16        | 22.20 | 22.34 | 22.48 | 23.50              |
|                 | 36      | LOW       | Q16        | 21.27 | 21.13 | 21.02 | 22.50              |
|                 |         | MID       | Q16        | 20.86 | 21.34 | 21.35 | 22.50              |
|                 |         | HIGH      | Q16        | 21.08 | 21.14 | 21.13 | 22.50              |
|                 | 75      | LOW       | Q16        | 20.86 | 21.27 | 21.28 | 22.50              |
| 15              | 1       | LOW       | 64QAM      | 21.05 | 21.42 | 21.27 | 22.50              |
|                 |         | MID       | 64QAM      | 21.15 | 21.33 | 21.21 | 22.50              |
|                 |         | HIGH      | 64QAM      | 21.48 | 21.50 | 21.19 | 22.50              |
|                 | 36      | LOW       | 64QAM      | 20.00 | 20.01 | 20.40 | 21.50              |
|                 |         | MID       | 64QAM      | 20.18 | 19.92 | 19.92 | 21.50              |
|                 |         | HIGH      | 64QAM      | 20.14 | 20.32 | 20.00 | 21.50              |
|                 | 75      | LOW       | 64QAM      | 20.30 | 20.17 | 19.83 | 21.50              |
| Bandwidth (MHz) | RB Size | RB offset | Modulation | 44690 | 45090 | 45490 | Tune-up power(dBm) |
| 20              | 1       | LOW       | QPSK       | 22.89 | 23.12 | 23.04 | 24.50              |
|                 |         | MID       | QPSK       | 22.90 | 23.23 | 23.08 | 24.50              |
|                 |         | HIGH      | QPSK       | 23.00 | 23.02 | 23.00 | 24.50              |
|                 | 50      | LOW       | QPSK       | 22.18 | 22.20 | 22.12 | 23.50              |
|                 |         | MID       | QPSK       | 22.17 | 22.07 | 22.13 | 23.50              |
|                 |         | HIGH      | QPSK       | 22.01 | 22.14 | 22.14 | 23.50              |
| 100             | LOW     | QPSK      | 22.11      | 22.08 | 22.18 | 23.50 |                    |
| 20              | 1       | LOW       | Q16        | 22.34 | 22.35 | 22.34 | 23.50              |
|                 |         | MID       | Q16        | 22.14 | 22.24 | 22.29 | 23.50              |
|                 |         | HIGH      | Q16        | 22.16 | 22.31 | 22.35 | 23.50              |
|                 | 50      | LOW       | Q16        | 21.25 | 21.05 | 20.94 | 22.50              |
|                 |         | MID       | Q16        | 20.91 | 21.27 | 21.25 | 22.50              |
|                 |         | HIGH      | Q16        | 21.13 | 21.14 | 20.94 | 22.50              |
| 100             | LOW     | Q16       | 20.96      | 21.06 | 21.25 | 22.50 |                    |
| 20              | 1       | LOW       | 64QAM      | 21.15 | 21.34 | 21.27 | 22.50              |
|                 |         | MID       | 64QAM      | 21.25 | 21.42 | 21.31 | 22.50              |
|                 |         | HIGH      | 64QAM      | 21.39 | 21.48 | 21.32 | 22.50              |
|                 | 50      | LOW       | 64QAM      | 20.05 | 20.12 | 20.31 | 21.50              |
|                 |         | MID       | 64QAM      | 20.01 | 20.02 | 20.08 | 21.50              |
|                 |         | HIGH      | 64QAM      | 20.04 | 20.26 | 20.02 | 21.50              |
| 100             | LOW     | 64QAM     | 20.18      | 20.18 | 19.96 | 21.50 |                    |

## 8.4.17LTE Band48 Output Power

| LTE B48-Full Power -Ant.3 |         |           |            |       |       |       |                    |
|---------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 55265 | 55900 | 56715 | Tune-up power(dBm) |
| 5                         | 1       | LOW       | QPSK       | 21.89 | 22.11 | 22.43 | 23.50              |
|                           |         | MID       | QPSK       | 22.02 | 22.01 | 22.52 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.07 | 22.00 | 22.33 | 23.50              |
|                           | 12      | LOW       | QPSK       | 21.09 | 21.26 | 21.02 | 22.50              |
|                           |         | MID       | QPSK       | 21.16 | 21.10 | 21.32 | 22.50              |
|                           |         | HIGH      | QPSK       | 21.35 | 21.33 | 21.06 | 22.50              |
| 5                         | 1       | LOW       | QPSK       | 21.18 | 21.38 | 21.16 | 22.50              |
|                           |         | MID       | QPSK       | 21.18 | 21.38 | 21.16 | 22.50              |
|                           |         | HIGH      | QPSK       | 21.18 | 21.38 | 21.16 | 22.50              |
|                           | 12      | LOW       | QPSK       | 21.18 | 21.38 | 21.16 | 22.50              |
|                           |         | MID       | QPSK       | 21.18 | 21.38 | 21.16 | 22.50              |
|                           |         | HIGH      | QPSK       | 21.18 | 21.38 | 21.16 | 22.50              |
| 5                         | 1       | LOW       | Q16        | 21.22 | 21.37 | 21.14 | 22.50              |
|                           |         | MID       | Q16        | 21.50 | 21.27 | 21.43 | 22.50              |
|                           |         | HIGH      | Q16        | 21.49 | 21.27 | 21.20 | 22.50              |
|                           | 12      | LOW       | Q16        | 20.20 | 20.10 | 20.08 | 21.50              |
|                           |         | MID       | Q16        | 20.37 | 20.35 | 20.15 | 21.50              |
|                           |         | HIGH      | Q16        | 20.22 | 20.15 | 20.17 | 21.50              |
| 5                         | 1       | LOW       | Q16        | 20.28 | 20.41 | 20.15 | 21.50              |
|                           |         | MID       | Q16        | 20.28 | 20.41 | 20.15 | 21.50              |
|                           |         | HIGH      | Q16        | 20.28 | 20.41 | 20.15 | 21.50              |
|                           | 12      | LOW       | Q16        | 20.28 | 20.41 | 20.15 | 21.50              |
|                           |         | MID       | Q16        | 20.28 | 20.41 | 20.15 | 21.50              |
|                           |         | HIGH      | Q16        | 20.28 | 20.41 | 20.15 | 21.50              |
| 5                         | 1       | LOW       | 64QAM      | 20.36 | 20.34 | 20.54 | 21.50              |
|                           |         | MID       | 64QAM      | 20.50 | 20.30 | 20.38 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.27 | 20.36 | 20.40 | 21.50              |
|                           | 12      | LOW       | 64QAM      | 18.99 | 19.06 | 19.35 | 20.50              |
|                           |         | MID       | 64QAM      | 19.19 | 19.33 | 19.11 | 20.50              |
|                           |         | HIGH      | 64QAM      | 18.98 | 19.26 | 19.04 | 20.50              |
| 5                         | 1       | LOW       | 64QAM      | 19.30 | 19.32 | 19.11 | 20.50              |
|                           |         | MID       | 64QAM      | 19.30 | 19.32 | 19.11 | 20.50              |
|                           |         | HIGH      | 64QAM      | 19.30 | 19.32 | 19.11 | 20.50              |
|                           | 12      | LOW       | 64QAM      | 19.30 | 19.32 | 19.11 | 20.50              |
|                           |         | MID       | 64QAM      | 19.30 | 19.32 | 19.11 | 20.50              |
|                           |         | HIGH      | 64QAM      | 19.30 | 19.32 | 19.11 | 20.50              |
| 10                        | 1       | LOW       | QPSK       | 22.07 | 22.14 | 22.49 | 23.50              |
|                           |         | MID       | QPSK       | 21.96 | 21.89 | 22.27 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.07 | 22.27 | 22.52 | 23.50              |
|                           | 25      | LOW       | QPSK       | 21.02 | 21.16 | 21.20 | 22.50              |
|                           |         | MID       | QPSK       | 21.15 | 21.29 | 21.09 | 22.50              |
|                           |         | HIGH      | QPSK       | 21.32 | 21.30 | 21.15 | 22.50              |
| 10                        | 1       | LOW       | QPSK       | 21.37 | 21.29 | 21.16 | 22.50              |
|                           |         | MID       | QPSK       | 21.37 | 21.29 | 21.16 | 22.50              |
|                           |         | HIGH      | QPSK       | 21.37 | 21.29 | 21.16 | 22.50              |
|                           | 25      | LOW       | QPSK       | 21.37 | 21.29 | 21.16 | 22.50              |
|                           |         | MID       | QPSK       | 21.37 | 21.29 | 21.16 | 22.50              |
|                           |         | HIGH      | QPSK       | 21.37 | 21.29 | 21.16 | 22.50              |
| 10                        | 1       | LOW       | Q16        | 21.21 | 21.42 | 21.09 | 22.50              |
|                           |         | MID       | Q16        | 21.57 | 21.29 | 21.45 | 22.50              |
|                           |         | HIGH      | Q16        | 21.28 | 21.52 | 21.28 | 22.50              |
|                           | 25      | LOW       | Q16        | 20.08 | 20.25 | 20.07 | 21.50              |
|                           |         | MID       | Q16        | 20.20 | 20.27 | 20.21 | 21.50              |
|                           |         | HIGH      | Q16        | 20.41 | 20.13 | 20.18 | 21.50              |
| 10                        | 1       | LOW       | Q16        | 20.23 | 20.06 | 20.28 | 21.50              |
|                           |         | MID       | Q16        | 20.23 | 20.06 | 20.28 | 21.50              |
|                           |         | HIGH      | Q16        | 20.23 | 20.06 | 20.28 | 21.50              |
|                           | 25      | LOW       | Q16        | 20.23 | 20.06 | 20.28 | 21.50              |
|                           |         | MID       | Q16        | 20.23 | 20.06 | 20.28 | 21.50              |
|                           |         | HIGH      | Q16        | 20.23 | 20.06 | 20.28 | 21.50              |
| 10                        | 1       | LOW       | 64QAM      | 20.40 | 20.42 | 20.62 | 21.50              |
|                           |         | MID       | 64QAM      | 20.47 | 20.25 | 20.42 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.38 | 20.20 | 20.53 | 21.50              |
|                           | 25      | LOW       | 64QAM      | 19.14 | 19.26 | 19.22 | 20.50              |
|                           |         | MID       | 64QAM      | 19.01 | 19.20 | 19.26 | 20.50              |
|                           |         | HIGH      | 64QAM      | 18.99 | 19.45 | 19.15 | 20.50              |
| 10                        | 1       | LOW       | 64QAM      | 19.21 | 19.14 | 19.25 | 20.50              |
|                           |         | MID       | 64QAM      | 19.21 | 19.14 | 19.25 | 20.50              |
|                           |         | HIGH      | 64QAM      | 19.21 | 19.14 | 19.25 | 20.50              |
|                           | 25      | LOW       | 64QAM      | 19.21 | 19.14 | 19.25 | 20.50              |
|                           |         | MID       | 64QAM      | 19.21 | 19.14 | 19.25 | 20.50              |
|                           |         | HIGH      | 64QAM      | 19.21 | 19.14 | 19.25 | 20.50              |

| LTE B48-Full Power -Ant.3 |         |           |            |       |       |       |                    |
|---------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 55315 | 55900 | 56665 | Tune-up power(dBm) |
| 15                        | 1       | LOW       | QPSK       | 22.11 | 21.99 | 22.54 | 23.50              |
|                           |         | MID       | QPSK       | 21.87 | 22.08 | 22.23 | 23.50              |
|                           |         | HIGH      | QPSK       | 22.07 | 22.03 | 22.46 | 23.50              |
|                           | 36      | LOW       | QPSK       | 21.11 | 21.34 | 21.11 | 22.50              |
|                           |         | MID       | QPSK       | 21.25 | 21.14 | 21.43 | 22.50              |
|                           |         | HIGH      | QPSK       | 21.24 | 21.20 | 21.06 | 22.50              |
|                           | 75      | LOW       | QPSK       | 21.17 | 21.33 | 21.29 | 22.50              |
| 15                        | 1       | LOW       | Q16        | 21.08 | 21.38 | 21.23 | 22.50              |
|                           |         | MID       | Q16        | 21.45 | 21.24 | 21.26 | 22.50              |
|                           |         | HIGH      | Q16        | 21.43 | 21.48 | 21.40 | 22.50              |
|                           | 36      | LOW       | Q16        | 20.13 | 20.14 | 20.02 | 21.50              |
|                           |         | MID       | Q16        | 20.21 | 20.33 | 20.21 | 21.50              |
|                           |         | HIGH      | Q16        | 20.24 | 20.36 | 20.25 | 21.50              |
|                           | 75      | LOW       | Q16        | 20.36 | 20.32 | 20.13 | 21.50              |
| 15                        | 1       | LOW       | 64QAM      | 20.55 | 20.40 | 20.44 | 21.50              |
|                           |         | MID       | 64QAM      | 20.53 | 20.27 | 20.41 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.49 | 20.50 | 20.33 | 21.50              |
|                           | 36      | LOW       | 64QAM      | 19.28 | 19.23 | 19.24 | 20.50              |
|                           |         | MID       | 64QAM      | 19.19 | 19.37 | 19.19 | 20.50              |
|                           |         | HIGH      | 64QAM      | 19.12 | 19.49 | 19.13 | 20.50              |
|                           | 75      | LOW       | 64QAM      | 19.40 | 19.11 | 19.44 | 20.50              |
| Bandwidth (MHz)           | RB Size | RB offset | Modulation | 55340 | 55900 | 56640 | Tune-up power(dBm) |
| 20                        | 1       | LOW       | QPSK       | 21.97 | 22.15 | 22.18 | 23.50              |
|                           |         | MID       | QPSK       | 21.97 | 21.99 | 22.12 | 23.50              |
|                           |         | HIGH      | QPSK       | 21.98 | 22.26 | 22.15 | 23.50              |
|                           | 50      | LOW       | QPSK       | 21.25 | 21.19 | 21.11 | 22.50              |
|                           |         | MID       | QPSK       | 21.32 | 21.37 | 21.32 | 22.50              |
|                           |         | HIGH      | QPSK       | 21.19 | 21.26 | 21.16 | 22.50              |
|                           | 100     | LOW       | QPSK       | 21.28 | 21.25 | 21.14 | 22.50              |
| 20                        | 1       | LOW       | Q16        | 21.22 | 21.31 | 21.27 | 22.50              |
|                           |         | MID       | Q16        | 21.37 | 21.20 | 21.38 | 22.50              |
|                           |         | HIGH      | Q16        | 21.39 | 21.34 | 21.35 | 22.50              |
|                           | 50      | LOW       | Q16        | 20.11 | 20.21 | 20.13 | 21.50              |
|                           |         | MID       | Q16        | 20.22 | 20.32 | 20.22 | 21.50              |
|                           |         | HIGH      | Q16        | 20.31 | 20.19 | 20.24 | 21.50              |
|                           | 100     | LOW       | Q16        | 20.29 | 20.21 | 20.22 | 21.50              |
| 20                        | 1       | LOW       | 64QAM      | 20.42 | 20.43 | 20.49 | 21.50              |
|                           |         | MID       | 64QAM      | 20.53 | 20.36 | 20.36 | 21.50              |
|                           |         | HIGH      | 64QAM      | 20.41 | 20.37 | 20.49 | 21.50              |
|                           | 50      | LOW       | 64QAM      | 19.20 | 19.15 | 19.24 | 20.50              |
|                           |         | MID       | 64QAM      | 19.03 | 19.31 | 19.05 | 20.50              |
|                           |         | HIGH      | 64QAM      | 19.07 | 19.37 | 19.13 | 20.50              |
|                           | 100     | LOW       | 64QAM      | 19.38 | 19.26 | 19.25 | 20.50              |



## 8.4.17LTE Band48 Output Power

| LTE B48-Full Power -Ant.3 (ENDC) |         |           |            |       |       |       |                    |
|----------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 55265 | 55900 | 56715 | Tune-up power(dBm) |
| 5                                | 1       | LOW       | QPSK       | 19.45 | 19.53 | 19.84 | 21.00              |
|                                  |         | MID       | QPSK       | 19.59 | 19.58 | 20.08 | 21.00              |
|                                  |         | HIGH      | QPSK       | 19.52 | 19.55 | 19.76 | 21.00              |
|                                  | 12      | LOW       | QPSK       | 19.45 | 19.78 | 19.39 | 21.00              |
|                                  |         | MID       | QPSK       | 19.73 | 19.45 | 19.74 | 21.00              |
|                                  |         | HIGH      | QPSK       | 19.92 | 19.70 | 19.52 | 21.00              |
|                                  | 25      | LOW       | QPSK       | 19.59 | 19.81 | 19.72 | 21.00              |
| 5                                | 1       | LOW       | Q16        | 19.73 | 19.95 | 19.57 | 21.00              |
|                                  |         | MID       | Q16        | 20.08 | 19.65 | 19.91 | 21.00              |
|                                  |         | HIGH      | Q16        | 19.86 | 19.70 | 19.77 | 21.00              |
|                                  | 12      | LOW       | Q16        | 19.61 | 19.62 | 19.45 | 21.00              |
|                                  |         | MID       | Q16        | 19.93 | 19.90 | 19.64 | 21.00              |
|                                  |         | HIGH      | Q16        | 19.78 | 19.70 | 19.57 | 21.00              |
|                                  | 25      | LOW       | Q16        | 19.73 | 19.76 | 19.54 | 21.00              |
| 5                                | 1       | LOW       | 64QAM      | 19.87 | 19.82 | 19.98 | 21.00              |
|                                  |         | MID       | 64QAM      | 20.05 | 19.77 | 19.96 | 21.00              |
|                                  |         | HIGH      | 64QAM      | 19.83 | 19.89 | 19.81 | 21.00              |
|                                  | 12      | LOW       | 64QAM      | 19.03 | 18.91 | 19.21 | 20.50              |
|                                  |         | MID       | 64QAM      | 19.12 | 19.29 | 19.10 | 20.50              |
|                                  |         | HIGH      | 64QAM      | 18.86 | 19.25 | 19.05 | 20.50              |
|                                  | 25      | LOW       | 64QAM      | 19.25 | 19.37 | 19.01 | 20.50              |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 55290 | 55900 | 56690 | Tune-up power(dBm) |
| 10                               | 1       | LOW       | QPSK       | 19.54 | 19.58 | 20.02 | 21.00              |
|                                  |         | MID       | QPSK       | 19.47 | 19.30 | 19.70 | 21.00              |
|                                  |         | HIGH      | QPSK       | 19.46 | 19.72 | 19.97 | 21.00              |
|                                  | 25      | LOW       | QPSK       | 19.38 | 19.51 | 19.69 | 21.00              |
|                                  |         | MID       | QPSK       | 19.51 | 19.80 | 19.59 | 21.00              |
|                                  |         | HIGH      | QPSK       | 19.83 | 19.75 | 19.62 | 21.00              |
|                                  | 50      | LOW       | QPSK       | 19.75 | 19.85 | 19.53 | 21.00              |
| 10                               | 1       | LOW       | Q16        | 19.75 | 19.92 | 19.54 | 21.00              |
|                                  |         | MID       | Q16        | 20.09 | 19.68 | 19.98 | 21.00              |
|                                  |         | HIGH      | Q16        | 19.70 | 19.88 | 19.70 | 21.00              |
|                                  | 25      | LOW       | Q16        | 19.48 | 19.81 | 19.51 | 21.00              |
|                                  |         | MID       | Q16        | 19.56 | 19.74 | 19.74 | 21.00              |
|                                  |         | HIGH      | Q16        | 19.77 | 19.61 | 19.73 | 21.00              |
|                                  | 50      | LOW       | Q16        | 19.75 | 19.54 | 19.86 | 21.00              |
| 10                               | 1       | LOW       | 64QAM      | 19.97 | 19.98 | 20.19 | 21.00              |
|                                  |         | MID       | 64QAM      | 20.03 | 19.62 | 19.80 | 21.00              |
|                                  |         | HIGH      | 64QAM      | 19.79 | 19.77 | 20.05 | 21.00              |
|                                  | 25      | LOW       | 64QAM      | 19.08 | 19.27 | 19.09 | 20.50              |
|                                  |         | MID       | 64QAM      | 18.98 | 19.18 | 19.32 | 20.50              |
|                                  |         | HIGH      | 64QAM      | 18.87 | 19.30 | 19.01 | 20.50              |
|                                  | 50      | LOW       | 64QAM      | 19.18 | 19.10 | 19.14 | 20.50              |

| LTE B48-Full Power -Ant.3 (ENDC) |         |           |            |       |       |       |                    |
|----------------------------------|---------|-----------|------------|-------|-------|-------|--------------------|
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 55315 | 55900 | 56665 | Tune-up power(dBm) |
| 15                               | 1       | LOW       | QPSK       | 19.69 | 19.40 | 20.09 | 21.00              |
|                                  |         | MID       | QPSK       | 19.26 | 19.52 | 19.59 | 21.00              |
|                                  |         | HIGH      | QPSK       | 19.48 | 19.51 | 20.01 | 21.00              |
|                                  | 36      | LOW       | QPSK       | 19.48 | 19.84 | 19.55 | 21.00              |
|                                  |         | MID       | QPSK       | 19.64 | 19.51 | 19.88 | 21.00              |
|                                  |         | HIGH      | QPSK       | 19.60 | 19.61 | 19.58 | 21.00              |
| 75                               | LOW     | QPSK      | 19.75      | 19.70 | 19.64 | 21.00 |                    |
| 15                               | 1       | LOW       | Q16        | 19.56 | 19.83 | 19.73 | 21.00              |
|                                  |         | MID       | Q16        | 19.96 | 19.64 | 19.75 | 21.00              |
|                                  |         | HIGH      | Q16        | 19.79 | 19.85 | 19.88 | 21.00              |
|                                  | 36      | LOW       | Q16        | 19.54 | 19.62 | 19.54 | 21.00              |
|                                  |         | MID       | Q16        | 19.69 | 19.74 | 19.72 | 21.00              |
|                                  |         | HIGH      | Q16        | 19.63 | 19.92 | 19.61 | 21.00              |
| 75                               | LOW     | Q16       | 19.91      | 19.85 | 19.52 | 21.00 |                    |
| 15                               | 1       | LOW       | 64QAM      | 19.90 | 19.98 | 19.98 | 21.00              |
|                                  |         | MID       | 64QAM      | 20.06 | 19.81 | 19.98 | 21.00              |
|                                  |         | HIGH      | 64QAM      | 19.95 | 20.07 | 19.80 | 21.00              |
|                                  | 36      | LOW       | 64QAM      | 19.34 | 19.09 | 19.11 | 20.50              |
|                                  |         | MID       | 64QAM      | 19.24 | 19.31 | 19.06 | 20.50              |
|                                  |         | HIGH      | 64QAM      | 19.12 | 19.50 | 19.08 | 20.50              |
| 75                               | LOW     | 64QAM     | 19.38      | 19.10 | 19.49 | 20.50 |                    |
| Bandwidth (MHz)                  | RB Size | RB offset | Modulation | 55340 | 55900 | 56640 | Tune-up power(dBm) |
| 20                               | 1       | LOW       | QPSK       | 19.37 | 19.60 | 19.66 | 21.00              |
|                                  |         | MID       | QPSK       | 19.52 | 19.43 | 19.47 | 21.00              |
|                                  |         | HIGH      | QPSK       | 19.46 | 19.76 | 19.72 | 21.00              |
|                                  | 50      | LOW       | QPSK       | 19.76 | 19.66 | 19.58 | 21.00              |
|                                  |         | MID       | QPSK       | 19.88 | 19.90 | 19.90 | 21.00              |
|                                  |         | HIGH      | QPSK       | 19.56 | 19.73 | 19.69 | 21.00              |
| 100                              | LOW     | QPSK      | 19.83      | 19.67 | 19.50 | 21.00 |                    |
| 20                               | 1       | LOW       | Q16        | 19.66 | 19.77 | 19.84 | 21.00              |
|                                  |         | MID       | Q16        | 19.95 | 19.64 | 19.87 | 21.00              |
|                                  |         | HIGH      | Q16        | 19.79 | 19.85 | 19.88 | 21.00              |
|                                  | 50      | LOW       | Q16        | 19.52 | 19.58 | 19.60 | 21.00              |
|                                  |         | MID       | Q16        | 19.61 | 19.78 | 19.72 | 21.00              |
|                                  |         | HIGH      | Q16        | 19.81 | 19.72 | 19.71 | 21.00              |
| 100                              | LOW     | Q16       | 19.75      | 19.69 | 19.61 | 21.00 |                    |
| 20                               | 1       | LOW       | 64QAM      | 19.95 | 19.96 | 20.05 | 21.00              |
|                                  |         | MID       | 64QAM      | 19.92 | 19.73 | 19.84 | 21.00              |
|                                  |         | HIGH      | 64QAM      | 19.81 | 19.95 | 20.01 | 21.00              |
|                                  | 50      | LOW       | 64QAM      | 19.15 | 19.05 | 19.14 | 20.50              |
|                                  |         | MID       | 64QAM      | 18.98 | 19.19 | 19.08 | 20.50              |
|                                  |         | HIGH      | 64QAM      | 19.00 | 19.27 | 18.99 | 20.50              |
| 100                              | LOW     | 64QAM     | 19.45      | 19.14 | 19.11 | 20.50 |                    |

## 8.5.1 NR Band2 Output Power

### N2-ANT2 Full power

| Bandwidth (MHz) | Modulation        | Channel |           | 370500 | 376000 | 381500 | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|--------|--------|--------|-------------------|
|                 |                   | RB Size | RB offset | 1852.5 | 1880   | 1907.5 |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 22.57  | 22.54  | 22.71  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 371000 | 376000 | 381000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1855   | 1880   | 1905   |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 22.57  | 22.76  | 22.60  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 371500 | 376000 | 380500 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1857.5 | 1880   | 1902.5 |                   |
| 15              | DFT-s-OFDM QPSK   | 1       | 1         | 22.70  | 22.75  | 22.42  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 372000 | 376000 | 380000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1860   | 1880   | 1900   |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 22.60  | 22.61  | 22.61  | 24.30             |
|                 |                   | 1       | 53        | 22.91  | 23.03  | 22.99  | 24.30             |
|                 |                   | 1       | 104       | 23.03  | 23.08  | 23.19  | 24.30             |
|                 | DFT-s-OFDM QPSK   | 50      | 0         | 22.63  | 22.51  | 22.34  | 24.30             |
|                 |                   | 50      | 28        | 22.62  | 22.57  | 22.56  | 24.30             |
|                 |                   | 50      | 56        | 22.47  | 22.67  | 22.64  | 24.30             |
|                 | DFT-s-OFDM QPSK   | 100     | 0         | 21.96  | 21.95  | 22.00  | 23.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 21.84  | 21.93  | 21.73  | 23.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 20.09  | 20.11  | 19.92  | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 18.30  | 18.18  | 18.35  | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 21.25  | 21.37  | 21.37  | 22.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 20.71  | 20.89  | 20.78  | 22.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 19.67  | 19.63  | 19.57  | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 16.69  | 16.64  | 16.52  | 17.80             |

## 8.5.1 NR Band2 Output Power

### N2-ANT2 Full power (ENDC)

| Bandwidth (MHz) | Modulation        | Channel |           | 370500   | 376000   | 381500   | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|----------|----------|----------|-------------------|
|                 |                   | RB Size | RB offset | 1852.5   | 1880     | 1907.5   |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 19.02    | 19.04    | 19.23    | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 371000   | 376000   | 381000   | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1855     | 1880     | 1905     |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 19.06    | 19.28    | 19.12    | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 371500   | 376000   | 380500   | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1857.5   | 1880     | 1902.5   |                   |
| 15              | DFT-s-OFDM QPSK   | 1       | 1         | 19.15    | 19.25    | 19.03    | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 371996.5 | 375996.6 | 379996.5 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1860     | 1880     | 1900     |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 19.09    | 19.18    | 19.14    | 21.00             |
|                 |                   | 1       | 53        | 19.37    | 19.54    | 19.47    | 21.00             |
|                 |                   | 1       | 104       | 19.48    | 19.58    | 19.66    | 21.00             |
|                 | DFT-s-OFDM QPSK   | 50      | 0         | 19.08    | 19.09    | 19.05    | 21.00             |
|                 |                   | 50      | 28        | 19.15    | 19.14    | 19.03    | 21.00             |
|                 |                   | 50      | 56        | 19.03    | 19.14    | 19.10    | 21.00             |
|                 | DFT-s-OFDM QPSK   | 100     | 0         | 19.02    | 19.08    | 19.03    | 21.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 19.03    | 19.02    | 19.01    | 21.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 19.11    | 19.11    | 19.01    | 21.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 18.34    | 18.24    | 18.35    | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 19.06    | 19.02    | 19.03    | 21.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 19.23    | 19.47    | 19.28    | 21.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 19.11    | 19.10    | 19.07    | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 16.68    | 16.69    | 16.55    | 17.80             |

## 8.5.1 NR Band2 Output Power

### N2-ANT6 Full power (ENDC)

| Bandwidth (MHz) | Modulation        | Channel |           | 370500   | 376000   | 381500   | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|----------|----------|----------|-------------------|
|                 |                   | RB Size | RB offset | 1852.5   | 1880     | 1907.5   |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 19.01    | 19.02    | 19.30    | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 371000   | 376000   | 381000   | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1855     | 1880     | 1905     |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 19.12    | 19.26    | 19.18    | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 371500   | 376000   | 380500   | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1857.5   | 1880     | 1902.5   |                   |
| 15              | DFT-s-OFDM QPSK   | 1       | 1         | 19.22    | 19.33    | 19.10    | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 371992.9 | 375993.1 | 379993.1 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1860     | 1880     | 1900     |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 19.17    | 19.22    | 19.20    | 21.00             |
|                 |                   | 1       | 53        | 19.39    | 19.60    | 19.44    | 21.00             |
|                 |                   | 1       | 104       | 19.56    | 19.58    | 19.56    | 21.00             |
|                 | DFT-s-OFDM QPSK   | 50      | 0         | 19.07    | 19.06    | 19.11    | 21.00             |
|                 |                   | 50      | 28        | 19.15    | 19.17    | 19.06    | 21.00             |
|                 |                   | 50      | 56        | 19.08    | 19.14    | 19.11    | 21.00             |
|                 | DFT-s-OFDM QPSK   | 100     | 0         | 19.04    | 19.11    | 19.03    | 21.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 19.11    | 19.09    | 19.06    | 21.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 19.11    | 19.09    | 19.07    | 21.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 18.32    | 18.22    | 18.38    | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 19.08    | 19.03    | 19.00    | 21.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 19.25    | 19.46    | 19.30    | 21.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 19.16    | 19.17    | 19.14    | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 16.68    | 16.69    | 16.61    | 17.80             |

## 8.5.2 NR Band5 Output Power

### N5-ANT0 Full power

| Bandwidth (MHz) | Modulation        | Channel |           | 165300 | 167300 | 169300 | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|--------|--------|--------|-------------------|
|                 |                   | RB Size | RB offset | 826.5  | 836.5  | 846.5  |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 22.60  | 22.67  | 22.80  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 165800 | 167300 | 168800 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 829    | 836.5  | 844    |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 22.55  | 22.56  | 22.92  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 166300 | 167300 | 168300 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 831.5  | 836.5  | 841.5  |                   |
| 15              | DFT-s-OFDM QPSK   | 1       | 1         | 22.70  | 22.48  | 22.94  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 166800 | 167300 | 167800 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 834    | 836.5  | 839    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 22.57  | 22.62  | 22.57  | 24.30             |
|                 |                   | 1       | 53        | 22.37  | 22.42  | 22.31  | 24.30             |
|                 |                   | 1       | 104       | 22.44  | 22.43  | 22.44  | 24.30             |
|                 | DFT-s-OFDM QPSK   | 50      | 0         | 22.69  | 22.77  | 22.62  | 24.30             |
|                 |                   | 50      | 28        | 22.57  | 22.55  | 22.43  | 24.30             |
|                 |                   | 50      | 56        | 22.50  | 22.44  | 22.57  | 24.30             |
|                 | DFT-s-OFDM QPSK   | 100     | 0         | 21.49  | 21.58  | 21.67  | 23.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 21.78  | 21.64  | 21.80  | 23.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 20.77  | 20.61  | 20.58  | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 18.38  | 18.50  | 18.32  | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 21.33  | 21.44  | 21.29  | 22.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 20.70  | 20.74  | 20.77  | 22.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 19.35  | 19.41  | 19.61  | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 16.56  | 16.58  | 16.73  | 17.80             |

## 8.5.2 NR Band5 Output Power

### N5-ANT0 Full power(ENDC)

| Bandwidth (MHz) | Modulation        | Channel |           | 165300   | 167300   | 169300   | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|----------|----------|----------|-------------------|
|                 |                   | RB Size | RB offset | 826.5    | 836.5    | 846.5    |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 19.57    | 19.68    | 19.78    | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 165800   | 167300   | 168800   | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 829      | 836.5    | 844      |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 19.57    | 19.60    | 19.87    | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 166300   | 167300   | 168300   | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 831.5    | 836.5    | 841.5    |                   |
| 15              | DFT-s-OFDM QPSK   | 1       | 1         | 19.68    | 19.55    | 19.98    | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 166796.5 | 167296.5 | 167796.5 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 834      | 836.5    | 839      |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 19.62    | 19.58    | 19.60    | 21.00             |
|                 |                   | 1       | 53        | 19.53    | 19.38    | 19.27    | 21.00             |
|                 |                   | 1       | 104       | 19.45    | 19.41    | 19.49    | 21.00             |
|                 | DFT-s-OFDM QPSK   | 50      | 0         | 19.68    | 19.77    | 19.68    | 21.00             |
|                 |                   | 50      | 28        | 19.61    | 19.63    | 19.50    | 21.00             |
|                 |                   | 50      | 56        | 19.47    | 19.48    | 19.64    | 21.00             |
|                 | DFT-s-OFDM QPSK   | 100     | 0         | 19.13    | 19.11    | 19.20    | 21.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 19.23    | 19.22    | 19.25    | 21.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 19.71    | 19.60    | 19.52    | 21.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 18.45    | 18.48    | 18.35    | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 19.32    | 19.38    | 19.37    | 21.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 19.23    | 19.19    | 19.23    | 21.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 18.90    | 18.92    | 19.10    | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 16.55    | 16.60    | 16.70    | 17.80             |

## 8.5.3 NR Band7 Output Power

### N7-ANT2 Full power

| Bandwidth (MHz) | Modulation        | Channel |           | 500500 | 507000 | 513500 | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|--------|--------|--------|-------------------|
|                 |                   | RB Size | RB offset | 2502.5 | 2535   | 2567.5 |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 22.80  | 22.65  | 22.76  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 501000 | 507000 | 513000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2505   | 2535   | 2565   |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 22.58  | 22.84  | 22.84  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 501500 | 507000 | 512500 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2507.5 | 2535   | 2562.5 |                   |
| 15              | DFT-s-OFDM QPSK   | 1       | 1         | 22.77  | 22.58  | 22.66  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 502000 | 507000 | 512000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2510   | 2535   | 2560   |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 22.65  | 22.74  | 22.77  | 24.30             |
|                 |                   | 1       | 53        | 23.00  | 23.15  | 23.13  | 24.30             |
|                 |                   | 1       | 104       | 22.50  | 22.60  | 22.48  | 24.30             |
|                 | DFT-s-OFDM QPSK   | 50      | 0         | 22.56  | 22.74  | 22.91  | 24.30             |
|                 |                   | 50      | 28        | 22.90  | 22.92  | 22.75  | 24.30             |
|                 |                   | 50      | 56        | 22.31  | 22.44  | 22.63  | 24.30             |
|                 | DFT-s-OFDM QPSK   | 100     | 0         | 22.69  | 22.76  | 22.90  | 23.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 21.72  | 21.65  | 21.83  | 23.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 19.92  | 19.99  | 20.03  | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 18.30  | 18.23  | 18.27  | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 21.02  | 21.14  | 21.27  | 22.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 20.49  | 20.39  | 20.35  | 22.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 20.32  | 20.34  | 20.16  | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 17.42  | 17.54  | 17.71  | 17.80             |



### 8.5.3 NR Band7 Output Power

#### N7-ANT2 Full power (ENDC)

| Bandwidth (MHz) | Modulation        | Channel |           | 500500   | 507000   | 513500   | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|----------|----------|----------|-------------------|
|                 |                   | RB Size | RB offset | 2502.5   | 2535     | 2567.5   |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 20.27    | 20.21    | 20.21    | 21.50             |
| Bandwidth (MHz) | Modulation        | Channel |           | 501000   | 507000   | 513000   | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2505     | 2535     | 2565     |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 20.04    | 20.30    | 20.31    | 21.50             |
| Bandwidth (MHz) | Modulation        | Channel |           | 501500   | 507000   | 512500   | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2507.5   | 2535     | 2562.5   |                   |
| 15              | DFT-s-OFDM QPSK   | 1       | 1         | 20.28    | 20.15    | 20.23    | 21.50             |
| Bandwidth (MHz) | Modulation        | Channel |           | 501996.5 | 506996.6 | 511996.5 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2510     | 2535     | 2560     |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 20.11    | 20.19    | 20.21    | 21.50             |
|                 |                   | 1       | 53        | 20.49    | 20.72    | 20.61    | 21.50             |
|                 |                   | 1       | 104       | 20.03    | 20.08    | 20.04    | 21.50             |
|                 | DFT-s-OFDM QPSK   | 50      | 0         | 20.08    | 20.19    | 20.36    | 21.50             |
|                 |                   | 50      | 28        | 20.36    | 20.44    | 20.19    | 21.50             |
|                 |                   | 50      | 56        | 19.87    | 19.97    | 20.16    | 21.50             |
|                 | DFT-s-OFDM QPSK   | 100     | 0         | 20.15    | 20.30    | 20.35    | 21.50             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 19.86    | 19.66    | 19.84    | 21.50             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 19.95    | 19.99    | 19.98    | 21.50             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 18.37    | 18.29    | 18.22    | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 20.01    | 20.13    | 20.23    | 21.50             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 19.94    | 19.94    | 19.90    | 21.50             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 19.77    | 19.90    | 19.69    | 21.50             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 17.40    | 17.53    | 17.69    | 17.80             |

### 8.5.3 NR Band7 Output Power

#### N7-ANT6 Full power (ENDC)

| Bandwidth (MHz) | Modulation        | Channel |           | 500500   | 507000   | 513500   | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|----------|----------|----------|-------------------|
|                 |                   | RB Size | RB offset | 2502.5   | 2535     | 2567.5   |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 20.28    | 20.18    | 20.27    | 21.50             |
| Bandwidth (MHz) | Modulation        | Channel |           | 501000   | 507000   | 513000   | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2505     | 2535     | 2565     |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 20.09    | 20.25    | 20.26    | 21.50             |
| Bandwidth (MHz) | Modulation        | Channel |           | 501500   | 507000   | 512500   | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2507.5   | 2535     | 2562.5   |                   |
| 15              | DFT-s-OFDM QPSK   | 1       | 1         | 20.31    | 20.11    | 20.18    | 21.50             |
| Bandwidth (MHz) | Modulation        | Channel |           | 501996.5 | 506996.6 | 511996.5 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2510     | 2535     | 2560     |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 20.07    | 20.24    | 20.19    | 21.50             |
|                 |                   | 1       | 53        | 20.48    | 20.70    | 20.65    | 21.50             |
|                 |                   | 1       | 104       | 19.98    | 20.14    | 20.08    | 21.50             |
|                 | DFT-s-OFDM QPSK   | 50      | 0         | 20.03    | 20.14    | 20.35    | 21.50             |
|                 |                   | 50      | 28        | 20.31    | 20.39    | 20.17    | 21.50             |
|                 |                   | 50      | 56        | 19.86    | 20.01    | 20.15    | 21.50             |
|                 | DFT-s-OFDM QPSK   | 100     | 0         | 20.12    | 20.29    | 20.31    | 21.50             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 19.91    | 19.67    | 19.89    | 21.50             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 19.99    | 19.97    | 20.04    | 21.50             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 18.34    | 18.33    | 18.20    | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 19.99    | 20.11    | 20.23    | 21.50             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 19.99    | 19.98    | 19.92    | 21.50             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 19.75    | 19.88    | 19.71    | 21.50             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 17.38    | 17.58    | 17.71    | 17.80             |

## 8.5.4 NR Band12 Output Power

### N12-ANT0 Full power

| Bandwidth (MHz) | Modulation        | Channel |           | 140300 | 141500 | 142700 | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|--------|--------|--------|-------------------|
|                 |                   | RB Size | RB offset | 701.5  | 707.5  | 713.5  |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 23.08  | 23.09  | 23.16  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 140800 | 141500 | 142200 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 704    | 707.5  | 711    |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 23.00  | 22.86  | 22.85  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 141300 | 141500 | 141700 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 706.5  | 707.5  | 708.5  |                   |
| 15              | DFT-s-OFDM QPSK   | 1       | 1         | 23.17  | 23.21  | 23.02  | 24.30             |
|                 |                   | 1       | 40        | 23.11  | 23.12  | 23.04  | 24.30             |
|                 |                   | 1       | 77        | 22.80  | 22.97  | 23.08  | 24.30             |
|                 | DFT-s-OFDM QPSK   | 36      | 0         | 22.61  | 22.68  | 22.63  | 24.30             |
|                 |                   | 36      | 22        | 22.46  | 22.45  | 22.31  | 24.30             |
|                 |                   | 36      | 43        | 22.67  | 22.48  | 22.45  | 24.30             |
|                 | DFT-s-OFDM QPSK   | 75      | 0         | 21.89  | 22.09  | 22.12  | 23.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 21.91  | 21.86  | 21.91  | 23.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 20.59  | 20.39  | 20.56  | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 18.28  | 18.43  | 18.37  | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 21.47  | 21.39  | 21.42  | 22.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 21.18  | 21.29  | 21.15  | 22.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 19.66  | 19.31  | 19.49  | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 16.30  | 16.37  | 16.29  | 17.80             |

## 8.5.5 NR Band13 Output Power

### N13-ANT0 Full power

| Bandwidth (MHz) | Modulation        | Channel |           | 155900 | 156400 | 156900 | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|--------|--------|--------|-------------------|
|                 |                   | RB Size | RB offset | 779.5  | 782    | 784.5  |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 22.94  | 23.01  | 23.04  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 156400 |        |        | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 782    |        |        |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | /      | 23.03  | /      | 24.30             |
|                 |                   | 1       | 26        | /      | 22.96  | /      | 24.30             |
|                 |                   | 1       | 50        | /      | 22.97  | /      | 24.30             |
|                 | DFT-s-OFDM QPSK   | 25      | 0         | /      | 22.48  | /      | 24.30             |
|                 |                   | 25      | 14        | /      | 22.47  | /      | 24.30             |
|                 |                   | 25      | 27        | /      | 22.42  | /      | 24.30             |
|                 | DFT-s-OFDM QPSK   | 50      | 0         | /      | 21.98  | /      | 23.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /      | 22.06  | /      | 23.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /      | 20.11  | /      | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /      | 18.12  | /      | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | /      | 21.69  | /      | 22.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /      | 21.02  | /      | 22.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /      | 19.58  | /      | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /      | 16.63  | /      | 17.80             |

## 8.5.6 NR Band14 Output Power

### N14-ANT0 Full power

| Bandwidth (MHz) | Modulation        | Channel |           | 158100 | 158600 | 159100 | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|--------|--------|--------|-------------------|
|                 |                   | RB Size | RB offset | 790.5  | 793    | 795.5  |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 24.35  | 24.61  | 24.55  | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 158600 |        |        | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 793    |        |        |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | /      | 24.50  | /      | 25.30             |
|                 |                   | 1       | 26        | /      | 24.39  | /      | 25.30             |
|                 |                   | 1       | 50        | /      | 24.20  | /      | 25.30             |
|                 | DFT-s-OFDM QPSK   | 25      | 0         | /      | 24.09  | /      | 25.30             |
|                 |                   | 25      | 14        | /      | 23.95  | /      | 25.30             |
|                 |                   | 25      | 27        | /      | 23.93  | /      | 25.30             |
|                 | DFT-s-OFDM QPSK   | 50      | 0         | /      | 23.39  | /      | 24.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /      | 23.49  | /      | 24.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /      | 21.65  | /      | 22.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /      | 19.50  | /      | 20.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | /      | 23.16  | /      | 23.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /      | 22.54  | /      | 23.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /      | 21.06  | /      | 21.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /      | 18.00  | /      | 18.80             |

## 8.5.7 NR Band25 Output Power

### N25-ANT2 Full power

| Bandwidth (MHz) | Modulation        | Channel |           | 370500 | 376500 | 382500 | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|--------|--------|--------|-------------------|
|                 |                   | RB Size | RB offset | 1852.5 | 1882.5 | 1912.5 |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 22.96  | 22.94  | 22.83  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 371000 | 376500 | 382000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1855   | 1882.5 | 1910   |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 22.90  | 22.85  | 22.99  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 371500 | 376500 | 381500 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1857.5 | 1882.5 | 1907.5 |                   |
| 15              | DFT-s-OFDM QPSK   | 1       | 1         | 22.91  | 22.83  | 22.92  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 372000 | 376500 | 381000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1860   | 1882.5 | 1905   |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 22.80  | 22.96  | 22.89  | 24.30             |
|                 |                   | 1       | 53        | 23.07  | 23.12  | 22.88  | 24.30             |
|                 |                   | 1       | 104       | 23.10  | 23.00  | 23.08  | 24.30             |
|                 | DFT-s-OFDM QPSK   | 50      | 0         | 22.48  | 22.49  | 22.56  | 24.30             |
|                 |                   | 50      | 28        | 22.49  | 22.41  | 22.43  | 24.30             |
|                 |                   | 50      | 56        | 22.49  | 22.56  | 22.44  | 24.30             |
|                 | DFT-s-OFDM QPSK   | 100     | 0         | 22.07  | 22.03  | 21.99  | 23.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 22.01  | 22.08  | 22.01  | 23.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 20.65  | 20.65  | 20.72  | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 18.59  | 18.74  | 18.58  | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 21.79  | 21.69  | 21.80  | 22.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 21.03  | 21.01  | 21.03  | 22.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 19.40  | 19.58  | 19.56  | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 16.56  | 16.71  | 16.48  | 17.80             |

## 8.5.7 NR Band25 Output Power

### N25-ANT2 Full power (ENDC)

| Bandwidth (MHz) | Modulation        | Channel |           | 370500 | 376500 | 382500 | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|--------|--------|--------|-------------------|
|                 |                   | RB Size | RB offset | 1852.5 | 1882.5 | 1912.5 |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 19.90  | 19.94  | 19.86  | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 371000 | 376500 | 382000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1855   | 1882.5 | 1910   |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 19.93  | 19.82  | 20.07  | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 371500 | 376500 | 381500 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1857.5 | 1882.5 | 1907.5 |                   |
| 15              | DFT-s-OFDM QPSK   | 1       | 1         | 19.92  | 19.79  | 19.98  | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 372000 | 376500 | 381000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1860   | 1882.5 | 1905   |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 19.85  | 19.95  | 19.90  | 21.00             |
|                 |                   | 1       | 53        | 20.01  | 20.17  | 19.87  | 21.00             |
|                 |                   | 1       | 104       | 20.14  | 19.96  | 20.04  | 21.00             |
|                 | DFT-s-OFDM QPSK   | 50      | 0         | 19.43  | 19.53  | 19.58  | 21.00             |
|                 |                   | 50      | 28        | 19.54  | 19.46  | 19.47  | 21.00             |
|                 |                   | 50      | 56        | 19.49  | 19.56  | 19.42  | 21.00             |
|                 | DFT-s-OFDM QPSK   | 100     | 0         | 19.12  | 19.09  | 19.08  | 21.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 19.09  | 19.13  | 19.09  | 21.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 19.61  | 19.64  | 19.68  | 21.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 19.04  | 19.08  | 19.05  | 21.00             |
|                 | CP-OFDM QPSK      | 1       | 1         | 19.83  | 19.77  | 19.77  | 21.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 19.56  | 19.56  | 19.57  | 21.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 19.44  | 19.59  | 19.50  | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 16.54  | 16.78  | 16.44  | 17.80             |

## 8.5.7 NR Band25 Output Power

### N25-ANT6 Full power (ENDC)

| Bandwidth (MHz) | Modulation        | Channel |           | 370500 | 376500 | 382500 | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|--------|--------|--------|-------------------|
|                 |                   | RB Size | RB offset | 1852.5 | 1882.5 | 1912.5 |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 20.25  | 20.16  | 20.20  | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 371000 | 376500 | 382000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1855   | 1882.5 | 1910   |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 20.22  | 20.06  | 20.24  | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 371500 | 376500 | 381500 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1857.5 | 1882.5 | 1907.5 |                   |
| 15              | DFT-s-OFDM QPSK   | 1       | 1         | 20.10  | 20.02  | 20.30  | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 372000 | 376500 | 381000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1860   | 1882.5 | 1905   |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 20.17  | 20.19  | 20.15  | 21.00             |
|                 |                   | 1       | 53        | 20.20  | 20.39  | 20.14  | 21.00             |
|                 |                   | 1       | 104       | 20.38  | 20.12  | 20.36  | 21.00             |
|                 | DFT-s-OFDM QPSK   | 50      | 0         | 19.62  | 19.88  | 19.87  | 21.00             |
|                 |                   | 50      | 28        | 19.82  | 19.64  | 19.75  | 21.00             |
|                 |                   | 50      | 56        | 19.79  | 19.79  | 19.64  | 21.00             |
|                 | DFT-s-OFDM QPSK   | 100     | 0         | 19.29  | 19.26  | 19.38  | 21.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 19.45  | 19.43  | 19.34  | 21.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 19.95  | 19.89  | 19.88  | 21.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 19.32  | 19.29  | 19.40  | 21.00             |
|                 | CP-OFDM QPSK      | 1       | 1         | 19.99  | 19.94  | 19.98  | 21.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 19.87  | 19.84  | 19.83  | 21.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 19.63  | 19.83  | 19.68  | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 16.85  | 17.10  | 16.70  | 17.80             |



## 8.5.8 NR Band26 Output Power

### N26-ANT0 Full power

| Bandwidth (MHz) | Modulation        | Channel |           | 163300 | 166300 | 169300 | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|--------|--------|--------|-------------------|
|                 |                   | RB Size | RB offset | 816.5  | 831.5  | 846.5  |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 22.52  | 22.75  | 22.68  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 163800 | 166300 | 168800 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 819    | 831.5  | 844    |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 22.48  | 22.81  | 22.33  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 164300 | 166300 | 168300 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 821.5  | 831.5  | 841.5  |                   |
| 15              | DFT-s-OFDM QPSK   | 1       | 1         | 22.87  | 22.82  | 22.50  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 164800 | 166300 | 167800 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 824    | 831.5  | 839    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 22.67  | 22.66  | 22.49  | 24.30             |
|                 |                   | 1       | 53        | 22.81  | 22.83  | 22.77  | 24.30             |
|                 |                   | 1       | 104       | 22.82  | 22.67  | 22.52  | 24.30             |
|                 | DFT-s-OFDM QPSK   | 50      | 0         | 22.56  | 22.44  | 22.39  | 24.30             |
|                 |                   | 50      | 28        | 22.57  | 22.58  | 22.44  | 24.30             |
|                 |                   | 50      | 56        | 22.50  | 22.40  | 22.57  | 24.30             |
|                 | DFT-s-OFDM QPSK   | 100     | 0         | 21.62  | 21.71  | 21.71  | 23.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 21.64  | 21.83  | 21.86  | 23.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 20.09  | 19.87  | 20.00  | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 17.93  | 17.83  | 17.92  | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 21.57  | 21.39  | 21.56  | 22.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 20.56  | 20.68  | 20.62  | 22.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 19.16  | 19.29  | 19.16  | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 16.51  | 16.33  | 16.32  | 17.80             |

## 8.5.9 NR Band66 Output Power

### N66-ANT2 Full power

| Bandwidth (MHz) | Modulation        | Channel |           | 342500 | 349000 | 355500 | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|--------|--------|--------|-------------------|
|                 |                   | RB Size | RB offset | 1712.5 | 1745   | 1777.5 |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 23.14  | 23.27  | 23.13  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 343000 | 349000 | 355000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1715   | 1745   | 1775   |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 23.37  | 23.47  | 23.10  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 343500 | 349000 | 354500 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1717.5 | 1745   | 1772.5 |                   |
| 15              | DFT-s-OFDM QPSK   | 1       | 1         | 23.43  | 23.30  | 23.23  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 344000 | 349000 | 354000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1720   | 1745   | 1770   |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 23.31  | 23.44  | 23.32  | 24.30             |
|                 |                   | 1       | 80        | 23.16  | 23.54  | 23.17  | 24.30             |
|                 |                   | 1       | 158       | 23.28  | 23.57  | 23.34  | 24.30             |
|                 | DFT-s-OFDM QPSK   | 80      | 0         | 22.55  | 22.45  | 22.56  | 24.30             |
|                 |                   | 80      | 40        | 22.81  | 22.53  | 22.49  | 24.30             |
|                 |                   | 80      | 80        | 22.69  | 22.90  | 22.87  | 24.30             |
|                 | DFT-s-OFDM QPSK   | 160     | 0         | 22.60  | 22.58  | 22.48  | 23.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 22.67  | 22.76  | 22.79  | 23.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 20.51  | 20.63  | 20.69  | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 18.84  | 18.59  | 18.69  | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 22.24  | 22.24  | 22.37  | 22.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 21.74  | 21.53  | 21.44  | 22.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 20.24  | 20.10  | 20.10  | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 17.14  | 17.20  | 17.18  | 17.80             |

## 8.5.9 NR Band66 Output Power

### N66-ANT2 Full power (ENDC)

| Bandwidth (MHz) | Modulation        | Channel |           | 342500 | 349000 | 355500 | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|--------|--------|--------|-------------------|
|                 |                   | RB Size | RB offset | 1712.5 | 1745   | 1777.5 |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 20.18  | 20.26  | 20.11  | 21.50             |
| Bandwidth (MHz) | Modulation        | Channel |           | 343000 | 349000 | 355000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1715   | 1745   | 1775   |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 20.43  | 20.46  | 20.08  | 21.50             |
| Bandwidth (MHz) | Modulation        | Channel |           | 343500 | 349000 | 354500 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1717.5 | 1745   | 1772.5 |                   |
| 15              | DFT-s-OFDM QPSK   | 1       | 1         | 20.38  | 20.28  | 20.19  | 21.50             |
| Bandwidth (MHz) | Modulation        | Channel |           | 344000 | 349000 | 354000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1720   | 1745   | 1770   |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 20.40  | 20.26  | 20.30  | 21.50             |
| Bandwidth (MHz) | Modulation        | Channel |           | 345000 | 349000 | 353000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1725   | 1745   | 1765   |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 20.29  | 20.44  | 20.30  | 21.50             |
|                 |                   | 1       | 80        | 20.22  | 20.56  | 20.15  | 21.50             |
|                 |                   | 1       | 158       | 20.32  | 20.51  | 20.31  | 21.50             |
|                 | DFT-s-OFDM QPSK   | 80      | 0         | 19.61  | 19.53  | 19.53  | 21.50             |
|                 |                   | 80      | 40        | 19.80  | 19.57  | 19.50  | 21.50             |
|                 |                   | 80      | 80        | 19.76  | 19.95  | 19.85  | 21.50             |
|                 | DFT-s-OFDM QPSK   | 160     | 0         | 19.65  | 19.57  | 19.62  | 21.50             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 19.71  | 19.77  | 19.76  | 21.50             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 19.52  | 19.58  | 19.76  | 21.50             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 18.87  | 18.64  | 18.67  | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 20.18  | 20.24  | 20.39  | 21.50             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 20.25  | 19.97  | 19.94  | 21.50             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 20.32  | 20.16  | 20.05  | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 17.10  | 17.23  | 17.22  | 17.80             |

## 8.5.9 NR Band66 Output Power

### N66-ANT6 Full power (ENDC)

| Bandwidth (MHz) | Modulation        | Channel |           | 342500 | 349000 | 355500 | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|--------|--------|--------|-------------------|
|                 |                   | RB Size | RB offset | 1712.5 | 1745   | 1777.5 |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 20.31  | 20.31  | 20.18  | 21.50             |
| Bandwidth (MHz) | Modulation        | Channel |           | 343000 | 349000 | 355000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1715   | 1745   | 1775   |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 20.42  | 20.43  | 20.05  | 21.50             |
| Bandwidth (MHz) | Modulation        | Channel |           | 343500 | 349000 | 354500 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1717.5 | 1745   | 1772.5 |                   |
| 15              | DFT-s-OFDM QPSK   | 1       | 1         | 20.54  | 20.36  | 20.20  | 21.50             |
| Bandwidth (MHz) | Modulation        | Channel |           | 344000 | 349000 | 354000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1720   | 1745   | 1770   |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 20.49  | 20.24  | 20.25  | 21.50             |
| Bandwidth (MHz) | Modulation        | Channel |           | 345000 | 349000 | 353000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 1725   | 1745   | 1765   |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 20.39  | 20.52  | 20.43  | 21.50             |
|                 |                   | 1       | 80        | 20.24  | 20.64  | 20.16  | 21.50             |
|                 |                   | 1       | 158       | 20.37  | 20.65  | 20.40  | 21.50             |
|                 | DFT-s-OFDM QPSK   | 80      | 0         | 19.65  | 19.57  | 19.52  | 21.50             |
|                 |                   | 80      | 40        | 19.82  | 19.55  | 19.78  | 21.50             |
|                 |                   | 80      | 80        | 19.83  | 20.10  | 19.82  | 21.50             |
|                 | DFT-s-OFDM QPSK   | 160     | 0         | 19.77  | 19.60  | 19.66  | 21.50             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 19.78  | 19.77  | 19.86  | 21.50             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 19.62  | 19.67  | 19.72  | 21.50             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 18.91  | 18.68  | 18.74  | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 20.32  | 20.19  | 20.39  | 21.50             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 20.31  | 19.98  | 19.91  | 21.50             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 20.34  | 20.15  | 20.09  | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 17.25  | 17.28  | 17.27  | 17.80             |

## 8.5.10 NR Band71 Output Power

### N71-ANT0 Full power

| Bandwidth (MHz) | Modulation        | Channel |           | 133100 | 136100 | 139100 | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|--------|--------|--------|-------------------|
|                 |                   | RB Size | RB offset | 665.5  | 680.5  | 695.5  |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 23.81  | 24.16  | 23.65  | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 133600 | 136100 | 693    | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 668    | 680.5  | 138600 |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 23.71  | 24.01  | 23.85  | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 134100 | 136100 | 138100 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 670.5  | 680.5  | 690.5  |                   |
| 15              | DFT-s-OFDM QPSK   | 1       | 1         | 23.71  | 24.09  | 23.65  | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 134600 | 136100 | 137600 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 673    | 680.5  | 688    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 23.81  | 24.01  | 23.84  | 25.30             |
|                 |                   | 1       | 53        | 24.12  | 24.26  | 24.17  | 25.30             |
|                 |                   | 1       | 104       | 24.18  | 24.02  | 24.22  | 25.30             |
|                 | DFT-s-OFDM QPSK   | 50      | 0         | 23.39  | 23.52  | 23.62  | 25.30             |
|                 |                   | 50      | 28        | 23.34  | 23.53  | 23.64  | 25.30             |
|                 |                   | 50      | 56        | 23.62  | 23.69  | 23.54  | 25.30             |
|                 | DFT-s-OFDM QPSK   | 100     | 0         | 23.13  | 22.95  | 22.78  | 24.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 23.18  | 23.11  | 23.19  | 24.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 21.39  | 21.28  | 21.13  | 22.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 18.86  | 19.06  | 19.23  | 20.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 22.74  | 22.69  | 22.76  | 23.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 22.09  | 21.98  | 22.09  | 23.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 20.41  | 20.53  | 20.58  | 21.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 17.44  | 17.51  | 17.35  | 18.80             |

## 8.5.10 NR Band71 Output Power

### N71-ANT0 Full power (ENDC)

| Bandwidth (MHz) | Modulation        | Channel |           | 133100 | 136100 | 139100 | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|--------|--------|--------|-------------------|
|                 |                   | RB Size | RB offset | 665.5  | 680.5  | 695.5  |                   |
| 5               | DFT-s-OFDM QPSK   | 1       | 1         | 20.34  | 20.67  | 20.13  | 21.50             |
| Bandwidth (MHz) | Modulation        | Channel |           | 133600 | 136100 | 693    | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 668    | 680.5  | 138600 |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 20.28  | 20.58  | 20.35  | 21.50             |
| Bandwidth (MHz) | Modulation        | Channel |           | 134100 | 136100 | 138100 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 670.5  | 680.5  | 690.5  |                   |
| 15              | DFT-s-OFDM QPSK   | 1       | 1         | 20.29  | 20.65  | 20.14  | 21.50             |
| Bandwidth (MHz) | Modulation        | Channel |           | 134600 | 136100 | 137600 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 673    | 680.5  | 688    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 20.35  | 20.58  | 20.29  | 21.50             |
|                 |                   | 1       | 53        | 20.63  | 20.76  | 20.72  | 21.50             |
|                 |                   | 1       | 104       | 20.66  | 20.54  | 20.75  | 21.50             |
|                 | DFT-s-OFDM QPSK   | 50      | 0         | 19.87  | 20.08  | 20.14  | 21.50             |
|                 |                   | 50      | 28        | 19.89  | 19.98  | 20.08  | 21.50             |
|                 |                   | 50      | 56        | 20.13  | 20.16  | 20.01  | 21.50             |
|                 | DFT-s-OFDM QPSK   | 100     | 0         | 19.71  | 19.75  | 19.67  | 21.50             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 19.65  | 19.58  | 19.67  | 21.50             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 20.47  | 20.35  | 20.09  | 21.50             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 17.93  | 18.00  | 18.31  | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 20.32  | 20.13  | 20.36  | 21.50             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 20.08  | 19.99  | 20.15  | 21.50             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 19.37  | 19.52  | 19.65  | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 16.48  | 16.53  | 16.43  | 17.80             |

## 8.5.11 NR Band38 Output Power

### N38-ANT2 Full power

| Bandwidth (MHz) | Modulation        | Channel |           | 516000 | 519000 | 522000 | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|--------|--------|--------|-------------------|
|                 |                   | RB Size | RB offset | 2580   | 2595   | 2610   |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 23.20  | 23.12  | 23.24  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 517000 | 519000 | 521000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2585   | 2595   | 2605   |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 23.33  | 23.29  | 23.48  | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 518000 | 519000 | 520000 | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2590   | 2595   | 2600   |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 23.22  | 23.14  | 23.27  | 24.30             |
|                 |                   | 1       | 53        | 23.31  | 23.38  | 23.11  | 24.30             |
|                 |                   | 1       | 104       | 23.05  | 23.12  | 23.11  | 24.30             |
|                 | DFT-s-OFDM QPSK   | 50      | 0         | 22.86  | 22.93  | 23.03  | 24.30             |
|                 |                   | 50      | 28        | 22.84  | 23.05  | 22.91  | 24.30             |
|                 |                   | 50      | 56        | 22.86  | 22.92  | 23.04  | 24.30             |
|                 | DFT-s-OFDM QPSK   | 100     | 0         | 23.20  | 23.25  | 23.16  | 23.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 21.98  | 22.19  | 22.15  | 23.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 20.61  | 20.50  | 20.27  | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 18.62  | 18.75  | 18.66  | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 21.41  | 21.61  | 21.42  | 22.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 21.01  | 21.14  | 21.21  | 22.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 20.65  | 20.77  | 20.69  | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 17.65  | 17.56  | 17.62  | 17.80             |

## 8.5.12 NR Band41 Output Power

### N41-ANT2 Full power-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 501203  | 509903  | 518597  | 527297  | 535997  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 2505.02 | 2548.52 | 2591.99 | 2635.49 | 2678.99 |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 25.34   | 25.87   | 25.49   | 25.81   | 25.30   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 502199  | 510397  | 518597  | 526797  | 534995  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2510    | 2550.99 | 2591.99 | 2632.99 | 2673.98 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 25.70   | 25.55   | 25.59   | 25.87   | 25.51   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 503201  | 510899  | 518597  | 526301  | 533999  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2515.01 | 2553.5  | 2591.99 | 2630.5  | 2669    |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 25.39   | 25.74   | 25.51   | 25.79   | 25.70   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 504203  | 511403  | 518597  | 525797  | 532997  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2520.02 | 2556.02 | 2591.99 | 2627.99 | 2663.99 |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 25.63   | 25.87   | 25.79   | 25.90   | 25.70   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 505199  | 511901  | 518597  | 525299  | 531995  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2525    | 2558.51 | 2591.99 | 2625.5  | 2658.98 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 25.41   | 25.74   | 25.48   | 25.97   | 25.54   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 506201  | 512403  | 518597  | 524797  | 530999  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2530.01 | 2561.02 | 2591.99 | 2622.99 | 2654    |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 25.71   | 25.81   | 25.79   | 25.65   | 25.67   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 507203  | 512903  | 518597  | 524297  | 529997  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2535.02 | 2563.52 | 2591.99 | 2620.49 | 2648.99 |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 25.33   | 25.48   | 25.69   | 25.91   | 25.64   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 508199  | 513401  | 518597  | 523799  | 528995  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2540    | 2566.01 | 2591.99 | 2618    | 2643.98 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 25.64   | 25.78   | 25.74   | 25.57   | 25.60   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 509202  | 513900  | 518598  | 523302  | 528000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2546.01 | 2569.5  | 2592.99 | 2616.51 | 2640    |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 25.53   | 25.67   | 25.60   | 25.77   | 25.50   | 27.30             |
|                 |                   | 1       | 137       | 26.04   | 25.87   | 26.06   | 26.01   | 26.03   | 27.30             |
|                 |                   | 1       | 271       | 26.00   | 25.77   | 25.93   | 26.02   | 25.80   | 27.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 25.60   | 25.92   | 25.78   | 25.58   | 25.68   | 27.30             |
|                 |                   | 135     | 69        | 25.92   | 26.07   | 26.08   | 25.82   | 26.05   | 27.30             |
|                 |                   | 135     | 138       | 25.82   | 26.03   | 25.95   | 25.84   | 26.03   | 27.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 24.69   | 24.63   | 24.77   | 24.84   | 24.82   | 26.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 25.09   | 25.09   | 25.12   | 25.06   | 24.99   | 26.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 23.44   | 23.69   | 23.50   | 23.40   | 23.57   | 24.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 21.14   | 21.15   | 21.25   | 21.22   | 21.14   | 22.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 24.37   | 24.54   | 24.45   | 24.50   | 24.38   | 25.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 23.91   | 23.73   | 23.88   | 23.93   | 24.07   | 25.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 22.84   | 22.91   | 22.94   | 23.08   | 22.95   | 24.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 20.48   | 20.60   | 20.48   | 20.66   | 20.66   | 21.80             |



## 8.5.12 NR Band41 Output Power

### N41-ANT2 Full power(ENDC)-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 501203  | 509903  | 518597  | 527297  | 535997  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 2505.02 | 2548.52 | 2591.99 | 2635.49 | 2678.99 |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 22.33   | 22.74   | 22.36   | 22.71   | 22.28   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 502199  | 510397  | 518597  | 526797  | 534995  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2510    | 2550.99 | 2591.99 | 2632.99 | 2673.98 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 22.55   | 22.42   | 22.56   | 22.79   | 22.53   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 503201  | 510899  | 518597  | 526301  | 533999  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2515.01 | 2553.5  | 2591.99 | 2630.5  | 2669    |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 22.30   | 22.66   | 22.55   | 22.81   | 22.65   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 504203  | 511403  | 518597  | 525797  | 532997  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2520.02 | 2556.02 | 2591.99 | 2627.99 | 2663.99 |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 22.58   | 22.74   | 22.78   | 22.92   | 22.60   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 505199  | 511901  | 518597  | 525299  | 531995  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2525    | 2558.51 | 2591.99 | 2625.5  | 2658.98 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 22.37   | 22.69   | 22.43   | 22.92   | 22.54   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 506201  | 512403  | 518597  | 524797  | 530999  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2530.01 | 2561.02 | 2591.99 | 2622.99 | 2654    |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 22.66   | 22.72   | 22.81   | 22.63   | 22.67   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 507203  | 512903  | 518597  | 524297  | 529997  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2535.02 | 2563.52 | 2591.99 | 2620.49 | 2648.99 |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 22.24   | 22.53   | 22.74   | 22.81   | 22.70   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 508199  | 513401  | 518597  | 523799  | 528995  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2540    | 2566.01 | 2591.99 | 2618    | 2643.98 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 22.56   | 22.83   | 22.78   | 22.43   | 22.56   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 509202  | 513900  | 518598  | 523302  | 528000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2546.01 | 2569.5  | 2592.99 | 2616.51 | 2640    |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 22.39   | 22.64   | 22.51   | 22.83   | 22.49   | 24.00             |
|                 |                   | 1       | 137       | 22.95   | 22.79   | 23.09   | 22.86   | 23.00   | 24.00             |
|                 |                   | 1       | 271       | 22.90   | 22.80   | 22.93   | 22.88   | 22.68   | 24.00             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 22.54   | 22.84   | 22.78   | 22.60   | 22.57   | 24.00             |
|                 |                   | 135     | 69        | 22.82   | 22.98   | 23.06   | 22.82   | 23.01   | 24.00             |
|                 |                   | 135     | 138       | 22.79   | 23.02   | 22.98   | 22.76   | 22.90   | 24.00             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 22.75   | 22.59   | 22.81   | 22.72   | 22.68   | 24.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 23.04   | 23.12   | 22.99   | 22.95   | 23.02   | 24.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 22.49   | 22.70   | 22.40   | 22.25   | 22.59   | 24.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 21.14   | 21.03   | 21.10   | 21.26   | 21.02   | 22.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 22.36   | 22.57   | 22.39   | 22.41   | 22.42   | 24.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 22.26   | 22.08   | 22.29   | 22.45   | 22.62   | 24.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 22.27   | 22.30   | 22.33   | 22.44   | 22.43   | 24.00             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 20.34   | 20.60   | 20.39   | 20.56   | 20.67   | 21.80             |

## 8.5.12 NR Band41 Output Power

### N41-ANT2 Full power-PC3

| Bandwidth (MHz) | Modulation        | Channel |           | 501204  | 509904  | 518598  | 527298  | 535998  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 2506.02 | 2549.52 | 2592.99 | 2636.49 | 2679.99 |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 22.85   | 23.03   | 22.76   | 22.90   | 22.69   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 502200  | 510398  | 518598  | 526798  | 534996  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2511    | 2551.99 | 2592.99 | 2633.99 | 2674.98 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 22.85   | 22.99   | 23.01   | 22.61   | 22.68   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 503202  | 510900  | 518598  | 526302  | 534000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2516.01 | 2554.5  | 2592.99 | 2631.5  | 2670    |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 23.05   | 22.98   | 22.77   | 22.59   | 23.01   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 504204  | 511404  | 518598  | 525798  | 532998  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2521.02 | 2557.02 | 2592.99 | 2628.99 | 2664.99 |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 23.01   | 23.17   | 23.01   | 22.64   | 22.75   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 505200  | 511902  | 518598  | 525300  | 531996  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2526    | 2559.51 | 2592.99 | 2626.5  | 2659.98 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 22.94   | 22.95   | 23.04   | 22.92   | 22.85   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 506202  | 512404  | 518598  | 524798  | 531000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2531.01 | 2562.02 | 2592.99 | 2623.99 | 2655    |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 23.03   | 23.12   | 22.97   | 22.71   | 22.77   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 507204  | 512904  | 518598  | 524298  | 529998  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2536.02 | 2564.52 | 2592.99 | 2621.49 | 2649.99 |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 22.88   | 23.21   | 22.73   | 22.78   | 22.83   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 508200  | 513402  | 518598  | 523800  | 528996  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2541    | 2567.01 | 2592.99 | 2619    | 2644.98 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 22.84   | 23.02   | 22.99   | 22.81   | 22.83   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 509202  | 513900  | 518598  | 523302  | 528000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2546.01 | 2569.5  | 2592.99 | 2616.51 | 2640    |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 22.85   | 23.01   | 22.89   | 22.73   | 22.84   | 24.30             |
|                 |                   | 1       | 137       | 22.45   | 22.55   | 22.45   | 22.58   | 22.43   | 24.30             |
|                 |                   | 1       | 271       | 22.56   | 22.55   | 22.56   | 22.63   | 22.50   | 24.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 23.15   | 23.02   | 23.07   | 23.06   | 22.92   | 24.30             |
|                 |                   | 135     | 69        | 22.55   | 22.42   | 22.49   | 22.51   | 22.34   | 24.30             |
|                 |                   | 135     | 138       | 22.66   | 22.42   | 22.54   | 22.67   | 22.47   | 24.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 22.66   | 22.37   | 22.56   | 22.56   | 22.60   | 23.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 22.09   | 22.35   | 22.26   | 22.35   | 22.33   | 23.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 20.51   | 20.56   | 20.59   | 20.76   | 20.42   | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 19.46   | 19.43   | 19.51   | 19.47   | 19.32   | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 22.55   | 22.58   | 22.53   | 22.64   | 22.48   | 22.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 22.29   | 22.16   | 22.15   | 22.10   | 22.09   | 22.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 20.29   | 20.22   | 20.33   | 20.30   | 20.15   | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 17.42   | 17.36   | 17.36   | 17.18   | 17.54   | 17.80             |

## 8.5.12 NR Band41 Output Power

### N41-ANT6 Full power(ENDC)-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 501203  | 509903  | 518597  | 527297  | 535997  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 2505.02 | 2548.52 | 2591.99 | 2635.49 | 2678.99 |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 22.42   | 22.81   | 22.46   | 22.80   | 22.43   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 502199  | 510397  | 518597  | 526797  | 534995  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2510    | 2550.99 | 2591.99 | 2632.99 | 2673.98 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 22.55   | 22.40   | 22.53   | 22.89   | 22.52   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 503201  | 510899  | 518597  | 526301  | 533999  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2515.01 | 2553.5  | 2591.99 | 2630.5  | 2669    |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 22.37   | 22.64   | 22.60   | 22.83   | 22.79   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 504203  | 511403  | 518597  | 525797  | 532997  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2520.02 | 2556.02 | 2591.99 | 2627.99 | 2663.99 |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 22.62   | 22.83   | 22.90   | 22.96   | 22.72   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 505199  | 511901  | 518597  | 525299  | 531995  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2525    | 2558.51 | 2591.99 | 2625.5  | 2658.98 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 22.39   | 22.82   | 22.38   | 22.98   | 22.68   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 506201  | 512403  | 518597  | 524797  | 530999  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2530.01 | 2561.02 | 2591.99 | 2622.99 | 2654    |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 22.76   | 22.84   | 22.79   | 22.75   | 22.70   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 507203  | 512903  | 518597  | 524297  | 529997  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2535.02 | 2563.52 | 2591.99 | 2620.49 | 2648.99 |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 22.30   | 22.65   | 22.89   | 22.90   | 22.70   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 508199  | 513401  | 518597  | 523799  | 528995  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2540    | 2566.01 | 2591.99 | 2618    | 2643.98 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 22.61   | 22.95   | 22.77   | 22.52   | 22.54   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 509202  | 513900  | 518598  | 523302  | 528000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 2546.01 | 2569.5  | 2592.99 | 2616.51 | 2640    |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 22.35   | 22.76   | 22.51   | 22.80   | 22.50   | 24.00             |
|                 |                   | 1       | 137       | 23.01   | 22.80   | 23.05   | 22.84   | 23.03   | 24.00             |
|                 |                   | 1       | 271       | 23.02   | 22.96   | 23.05   | 22.90   | 22.78   | 24.00             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 22.55   | 22.96   | 22.76   | 22.74   | 22.58   | 24.00             |
|                 |                   | 135     | 69        | 22.77   | 22.95   | 23.06   | 22.93   | 23.06   | 24.00             |
|                 |                   | 135     | 138       | 22.84   | 23.06   | 23.01   | 22.80   | 22.98   | 24.00             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 22.87   | 22.54   | 22.82   | 22.70   | 22.63   | 24.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 23.01   | 23.21   | 23.12   | 23.11   | 23.10   | 24.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 22.63   | 22.85   | 22.55   | 22.40   | 22.61   | 24.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 21.27   | 21.19   | 21.14   | 21.39   | 21.07   | 22.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 22.51   | 22.58   | 22.52   | 22.48   | 22.46   | 24.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 22.40   | 22.04   | 22.44   | 22.49   | 22.63   | 24.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 22.23   | 22.43   | 22.31   | 22.54   | 22.40   | 24.00             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 20.33   | 20.70   | 20.44   | 20.57   | 20.80   | 21.80             |

## 8.5.13 NR Band48 Output Power

### N48-ANT3 Full power

| Bandwidth (MHz) | Modulation        | Channel |           | 637000  | 641666  | 646332  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3555    | 3624.99 | 3694.98 |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 22.93   | 22.82   | 22.44   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 637334  | 641666  | 646000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3560.01 | 3624.99 | 3690    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 22.78   | 22.75   | 22.48   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638000  | 641666  | 645332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3570    | 3624.99 | 3679.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 22.86   | 22.68   | 22.59   | 24.30             |
|                 |                   | 1       | 53        | 22.86   | 22.70   | 22.60   | 24.30             |
|                 |                   | 1       | 104       | 22.91   | 22.93   | 22.84   | 24.30             |
|                 | DFT-s-OFDM QPSK   | 50      | 0         | 22.42   | 22.31   | 22.45   | 24.30             |
|                 |                   | 50      | 28        | 22.55   | 22.58   | 22.39   | 24.30             |
|                 |                   | 50      | 56        | 22.39   | 22.35   | 22.50   | 24.30             |
|                 | DFT-s-OFDM QPSK   | 100     | 0         | 21.58   | 21.74   | 21.75   | 23.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 21.73   | 21.85   | 21.86   | 23.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 20.21   | 20.18   | 20.15   | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 18.10   | 18.08   | 17.90   | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 21.18   | 21.11   | 21.01   | 22.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 20.84   | 20.95   | 21.06   | 22.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 19.17   | 19.25   | 19.25   | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 16.44   | 16.58   | 16.57   | 17.80             |

## 8.5.13 NR Band48 Output Power

### N48-ANT3 Full power (ENDC)

| Bandwidth (MHz) | Modulation        | Channel |           | 637000  | 641666  | 646332  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3555    | 3624.99 | 3694.98 |                   |
| 10              | DFT-s-OFDM QPSK   | 1       | 1         | 19.89   | 19.78   | 19.49   | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 637334  | 641666  | 646000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3560.01 | 3624.99 | 3690    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 19.78   | 19.70   | 19.45   | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638000  | 641666  | 645332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3570    | 3624.99 | 3679.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 19.83   | 19.73   | 19.54   | 21.00             |
|                 |                   | 1       | 53        | 19.86   | 19.65   | 19.59   | 21.00             |
|                 |                   | 1       | 104       | 19.87   | 19.94   | 19.80   | 21.00             |
|                 | DFT-s-OFDM QPSK   | 50      | 0         | 19.37   | 19.31   | 19.47   | 21.00             |
|                 |                   | 50      | 28        | 19.51   | 19.59   | 19.44   | 21.00             |
|                 |                   | 50      | 56        | 19.36   | 19.30   | 19.51   | 21.00             |
|                 | DFT-s-OFDM QPSK   | 100     | 0         | 19.58   | 19.71   | 19.75   | 21.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 19.69   | 19.85   | 19.88   | 21.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 19.69   | 19.64   | 19.69   | 21.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 18.10   | 18.11   | 17.87   | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 19.73   | 19.66   | 19.54   | 21.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 19.31   | 19.51   | 19.57   | 21.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 19.12   | 19.23   | 19.31   | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 16.45   | 16.59   | 16.61   | 17.80             |

## 8.5.14 NR Band77 Output Power

### N77-ANT3 Full power-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 630668  | 633334  | 636000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3460.02 | 3500.01 | 3540    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 26.68   | 26.82   | 26.80   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631000  | 633334  | 635666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3465    | 3500.01 | 3534.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 26.63   | 26.70   | 26.78   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631334  | 633334  | 635332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3470.01 | 3500.01 | 3529.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 26.63   | 26.88   | 26.97   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632000  | 633334  | 634666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3480    | 3500.01 | 3519.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 26.81   | 26.91   | 26.72   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632668  | 633334  | 634000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3490.02 | 3500.01 | 3510    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 26.91   | 26.68   | 26.68   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | /       | 633334  | /       | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | /       | 3500.01 | /       |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | /       | 26.77   | /       | 28.30             |
|                 |                   | 1       | 137       | /       | 26.78   | /       | 28.30             |
|                 |                   | 1       | 271       | /       | 26.67   | /       | 28.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | /       | 26.64   | /       | 28.30             |
|                 |                   | 135     | 69        | /       | 26.71   | /       | 28.30             |
|                 |                   | 135     | 138       | /       | 26.81   | /       | 28.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | /       | 26.60   | /       | 28.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 25.87   | /       | 27.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 24.27   | /       | 25.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /       | 22.09   | /       | 23.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | /       | 25.09   | /       | 26.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /       | 24.96   | /       | 26.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /       | 23.30   | /       | 24.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /       | 20.58   | /       | 21.80             |

## N77-ANT3 Sensor on-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 630668  | 633334  | 636000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3460.02 | 3500.01 | 3540    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 23.63   | 23.58   | 23.69   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631000  | 633334  | 635666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3465    | 3500.01 | 3534.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 23.76   | 23.62   | 23.69   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631334  | 633334  | 635332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3470.01 | 3500.01 | 3529.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 23.73   | 23.66   | 23.64   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632000  | 633334  | 634666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3480    | 3500.01 | 3519.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 23.62   | 23.72   | 23.67   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632668  | 633334  | 634000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3490.02 | 3500.01 | 3510    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 23.76   | 23.70   | 23.74   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | /       | 633334  | /       | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | /       | 3500.01 | /       |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | /       | 23.68   | /       | 25.30             |
|                 |                   | 1       | 137       | /       | 23.81   | /       | 25.30             |
|                 |                   | 1       | 271       | /       | 23.64   | /       | 25.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | /       | 23.68   | /       | 25.30             |
|                 |                   | 135     | 69        | /       | 23.65   | /       | 25.30             |
|                 |                   | 135     | 138       | /       | 23.88   | /       | 25.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | /       | 23.57   | /       | 25.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 23.33   | /       | 25.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 23.96   | /       | 25.30             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /       | 22.19   | /       | 23.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | /       | 23.71   | /       | 25.30             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /       | 23.83   | /       | 25.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /       | 23.27   | /       | 24.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /       | 20.61   | /       | 21.80             |

## 8.5.14 NR Band77 Output Power

### N77-ANT3 (ENDC)-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 630668  | 633334  | 636000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3460.02 | 3500.01 | 3540    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 23.63   | 23.58   | 23.69   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631000  | 633334  | 635666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3465    | 3500.01 | 3534.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 23.76   | 23.62   | 23.69   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631334  | 633334  | 635332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3470.01 | 3500.01 | 3529.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 23.73   | 23.66   | 23.64   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632000  | 633334  | 634666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3480    | 3500.01 | 3519.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 23.62   | 23.72   | 23.67   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632668  | 633334  | 634000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3490.02 | 3500.01 | 3510    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 23.76   | 23.70   | 23.74   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | /       | 633334  | /       | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | /       | 3500.01 | /       |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | /       | 23.68   | /       | 24.00             |
|                 |                   | 1       | 137       | /       | 23.81   | /       | 24.00             |
|                 |                   | 1       | 271       | /       | 23.64   | /       | 24.00             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | /       | 23.68   | /       | 24.00             |
|                 |                   | 135     | 69        | /       | 23.65   | /       | 24.00             |
|                 |                   | 135     | 138       | /       | 23.88   | /       | 24.00             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | /       | 23.57   | /       | 24.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 23.33   | /       | 24.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 23.96   | /       | 24.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /       | 22.19   | /       | 23.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | /       | 23.71   | /       | 24.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /       | 23.83   | /       | 24.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /       | 23.27   | /       | 24.00             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /       | 20.61   | /       | 21.80             |



## 8.5.14 NR Band77 Output Power

### N77-ANT3 Full power-PC3

| Bandwidth (MHz) | Modulation        | Channel |           | 630668  | 633334  | 636000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3460.02 | 3500.01 | 3540    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 23.05   | 23.18   | 23.42   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631000  | 633334  | 635666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3465    | 3500.01 | 3534.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 23.30   | 23.16   | 23.40   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631334  | 633334  | 635332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3470.01 | 3500.01 | 3529.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 23.28   | 23.17   | 23.30   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632000  | 633334  | 634666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3480    | 3500.01 | 3519.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 23.25   | 23.27   | 23.08   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632668  | 633334  | 634000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3490.02 | 3500.01 | 3510    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 23.16   | 23.43   | 23.43   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | /       | 633334  | /       | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | /       | 3500.01 | /       |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | /       | 23.25   | /       | 24.30             |
|                 |                   | 1       | 137       | /       | 23.12   | /       | 24.30             |
|                 |                   | 1       | 271       | /       | 23.08   | /       | 24.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | /       | 23.18   | /       | 24.30             |
|                 |                   | 135     | 69        | /       | 23.11   | /       | 24.30             |
|                 |                   | 135     | 138       | /       | 23.03   | /       | 24.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | /       | 22.85   | /       | 23.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 22.45   | /       | 23.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 21.25   | /       | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /       | 19.64   | /       | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | /       | 22.45   | /       | 22.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /       | 22.25   | /       | 22.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /       | 20.62   | /       | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /       | 17.23   | /       | 17.80             |

**N77-ANT3 Sensor on-PC3**

| Bandwidth (MHz) | Modulation        | Channel |           | 630668  | 633334  | 636000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3460.02 | 3500.01 | 3540    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 20.31   | 20.39   | 20.41   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631000  | 633334  | 635666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3465    | 3500.01 | 3534.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 20.23   | 20.29   | 20.32   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631334  | 633334  | 635332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3470.01 | 3500.01 | 3529.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 20.29   | 20.35   | 20.35   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632000  | 633334  | 634666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3480    | 3500.01 | 3519.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 20.43   | 20.31   | 20.41   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632668  | 633334  | 634000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3490.02 | 3500.01 | 3510    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 20.38   | 20.24   | 20.31   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | /       | 633334  | /       | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | /       | 3500.01 | /       |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | /       | 20.33   | /       | 21.30             |
|                 |                   | 1       | 137       | /       | 20.21   | /       | 21.30             |
|                 |                   | 1       | 271       | /       | 20.09   | /       | 21.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | /       | 20.15   | /       | 21.30             |
|                 |                   | 135     | 69        | /       | 20.15   | /       | 21.30             |
|                 |                   | 135     | 138       | /       | 19.98   | /       | 21.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | /       | 19.85   | /       | 21.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 19.54   | /       | 21.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 21.20   | /       | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /       | 19.58   | /       | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | /       | 20.94   | /       | 21.30             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /       | 20.65   | /       | 21.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /       | 20.62   | /       | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /       | 17.14   | /       | 17.80             |

## 8.5.14 NR Band77 Output Power

### N77-ANT3 Full power-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 637334  | 641666  | 646000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3560.01 | 3624.99 | 3690    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 26.68   | 26.82   | 26.80   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 637668  | 641666  | 645666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3565.02 | 3624.99 | 3684.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 26.63   | 26.70   | 26.78   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638000  | 641666  | 645332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3570    | 3624.99 | 3679.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 26.63   | 26.88   | 26.97   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638668  | 641666  | 644666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3580.02 | 3624.99 | 3669.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 26.81   | 26.91   | 26.72   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639334  | 641666  | 644000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3590.01 | 3624.99 | 3660    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 26.91   | 26.68   | 26.68   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 640000  | 641666  | 643332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3600    | 3624.99 | 3649.98 |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 26.74   | 26.68   | 26.69   | 28.30             |
|                 |                   | 1       | 137       | 26.82   | 26.87   | 26.74   | 28.30             |
|                 |                   | 1       | 271       | 26.58   | 26.63   | 26.64   | 28.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 26.63   | 26.61   | 26.60   | 28.30             |
|                 |                   | 135     | 69        | 26.68   | 26.72   | 26.63   | 28.30             |
|                 |                   | 135     | 138       | 26.70   | 26.86   | 26.71   | 28.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 26.49   | 26.64   | 26.61   | 28.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 25.78   | 25.90   | 25.91   | 27.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 24.19   | 24.19   | 24.27   | 25.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 22.04   | 22.01   | 22.02   | 23.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 25.10   | 25.09   | 25.02   | 26.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 24.95   | 24.93   | 25.00   | 26.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 23.24   | 23.21   | 23.21   | 24.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 20.53   | 20.53   | 20.60   | 21.80             |

## N77-ANT3 Sensor on-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 637334  | 641666  | 646000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3560.01 | 3624.99 | 3690    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 23.63   | 23.58   | 23.69   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 637668  | 641666  | 645666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3565.02 | 3624.99 | 3684.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 23.76   | 23.62   | 23.69   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638000  | 641666  | 645332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3570    | 3624.99 | 3679.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 23.73   | 23.66   | 23.64   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638668  | 641666  | 644666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3580.02 | 3624.99 | 3669.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 23.62   | 23.72   | 23.67   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639334  | 641666  | 644000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3590.01 | 3624.99 | 3660    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 23.76   | 23.70   | 23.74   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 640000  | 641666  | 643332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3600    | 3624.99 | 3649.98 |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 23.66   | 23.68   | 23.72   | 25.30             |
|                 |                   | 1       | 137       | 23.82   | 23.88   | 23.86   | 25.30             |
|                 |                   | 1       | 271       | 23.56   | 23.54   | 23.56   | 25.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 23.73   | 23.69   | 23.59   | 25.30             |
|                 |                   | 135     | 69        | 23.61   | 23.63   | 23.66   | 25.30             |
|                 |                   | 135     | 138       | 23.82   | 23.89   | 23.80   | 25.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 23.54   | 23.45   | 23.53   | 25.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 23.33   | 23.33   | 23.32   | 25.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 23.97   | 23.96   | 23.92   | 25.30             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 22.15   | 22.10   | 22.17   | 23.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 23.74   | 23.71   | 23.61   | 25.30             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 23.76   | 23.71   | 23.71   | 25.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 23.19   | 23.29   | 23.31   | 24.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 20.49   | 20.53   | 20.55   | 21.80             |

## 8.5.14 NR Band77 Output Power

### N77-ANT3(ENDC)-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 637334  | 641666  | 646000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3560.01 | 3624.99 | 3690    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 23.63   | 23.58   | 23.69   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 637668  | 641666  | 645666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3565.02 | 3624.99 | 3684.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 23.76   | 23.62   | 23.69   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638000  | 641666  | 645332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3570    | 3624.99 | 3679.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 23.73   | 23.66   | 23.64   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638668  | 641666  | 644666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3580.02 | 3624.99 | 3669.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 23.62   | 23.72   | 23.67   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639334  | 641666  | 644000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3590.01 | 3624.99 | 3660    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 23.76   | 23.70   | 23.74   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 640000  | 641666  | 643332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3600    | 3624.99 | 3649.98 |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 23.66   | 23.68   | 23.72   | 24.00             |
|                 |                   | 1       | 137       | 23.82   | 23.88   | 23.86   | 24.00             |
|                 |                   | 1       | 271       | 23.56   | 23.54   | 23.56   | 24.00             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 23.73   | 23.69   | 23.59   | 24.00             |
|                 |                   | 135     | 69        | 23.61   | 23.63   | 23.66   | 24.00             |
|                 |                   | 135     | 138       | 23.82   | 23.89   | 23.80   | 24.00             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 23.54   | 23.45   | 23.53   | 24.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 23.33   | 23.33   | 23.32   | 24.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 23.97   | 23.96   | 23.92   | 24.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 22.15   | 22.10   | 22.17   | 23.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 23.74   | 23.71   | 23.61   | 24.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 23.76   | 23.71   | 23.71   | 24.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 23.19   | 23.29   | 23.31   | 24.00             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 20.49   | 20.53   | 20.55   | 21.80             |

## 8.5.14 NR Band77 Output Power

### N77-ANT3 Full power-PC3

| Bandwidth (MHz) | Modulation        | Channel |           | 637334  | 641666  | 646000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3560.01 | 3624.99 | 3690    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 23.05   | 23.18   | 23.42   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 637668  | 641666  | 645666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3565.02 | 3624.99 | 3684.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 23.30   | 23.16   | 23.40   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638000  | 641666  | 645332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3570    | 3624.99 | 3679.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 23.28   | 23.17   | 23.30   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638668  | 641666  | 644666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3580.02 | 3624.99 | 3669.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 23.25   | 23.27   | 23.08   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639334  | 641666  | 644000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3590.01 | 3624.99 | 3660    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 23.16   | 23.43   | 23.43   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 640000  | 641666  | 643332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3600    | 3624.99 | 3649.98 |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 23.26   | 23.29   | 23.24   | 24.30             |
|                 |                   | 1       | 137       | 23.15   | 23.03   | 23.00   | 24.30             |
|                 |                   | 1       | 271       | 23.13   | 23.02   | 23.10   | 24.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 23.23   | 23.12   | 23.08   | 24.30             |
|                 |                   | 135     | 69        | 22.99   | 23.11   | 23.10   | 24.30             |
|                 |                   | 135     | 138       | 22.96   | 22.94   | 22.92   | 24.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 22.88   | 22.84   | 22.83   | 23.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 22.45   | 22.45   | 22.44   | 23.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 21.19   | 21.29   | 21.22   | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 19.66   | 19.62   | 19.61   | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 22.47   | 22.42   | 22.40   | 22.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 22.23   | 22.29   | 22.19   | 22.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 20.64   | 20.54   | 20.55   | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 17.11   | 17.24   | 17.25   | 17.80             |

**N77-ANT3 Sensor on-PC3**

| Bandwidth (MHz) | Modulation        | Channel |           | 637334  | 641666  | 646000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3560.01 | 3624.99 | 3690    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 20.31   | 20.39   | 20.41   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 637668  | 641666  | 645666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3565.02 | 3624.99 | 3684.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 20.23   | 20.29   | 20.32   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638000  | 641666  | 645332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3570    | 3624.99 | 3679.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 20.29   | 20.35   | 20.35   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638668  | 641666  | 644666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3580.02 | 3624.99 | 3669.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 20.43   | 20.31   | 20.41   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639334  | 641666  | 644000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3590.01 | 3624.99 | 3660    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 20.38   | 20.24   | 20.31   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 640000  | 641666  | 643332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3600    | 3624.99 | 3649.98 |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 20.36   | 20.30   | 20.27   | 21.30             |
|                 |                   | 1       | 137       | 20.15   | 20.17   | 20.10   | 21.30             |
|                 |                   | 1       | 271       | 20.06   | 20.14   | 20.09   | 21.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 20.03   | 20.15   | 20.09   | 21.30             |
|                 |                   | 135     | 69        | 20.09   | 20.08   | 20.11   | 21.30             |
|                 |                   | 135     | 138       | 19.94   | 19.99   | 19.87   | 21.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 19.79   | 19.77   | 19.81   | 21.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 19.43   | 19.45   | 19.51   | 21.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 21.12   | 21.09   | 21.23   | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 19.57   | 19.53   | 19.52   | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 20.94   | 20.95   | 20.94   | 21.30             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 20.53   | 20.53   | 20.61   | 21.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 20.63   | 20.59   | 20.53   | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 17.08   | 17.04   | 17.15   | 17.80             |

## 8.5.14 NR Band77 Output Power

### N77-ANT3 Full power-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 647334  | 656000 | 664666  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|--------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3710.01 | 3840   | 3969.99 |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 26.82   | 26.77  | 26.96   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 647667  | 656000 | 664333  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3715.01 | 3840   | 3964.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 26.75   | 26.66  | 26.73   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648000  | 656000 | 664000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3720    | 3840   | 3960    |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 26.56   | 26.73  | 26.71   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648668  | 656000 | 663332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3730.02 | 3840   | 3949.98 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 26.63   | 26.74  | 26.78   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649334  | 656000 | 662666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3740.01 | 3840   | 3939.99 |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 26.53   | 26.72  | 26.79   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 650000  | 656000 | 662000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3750    | 3840   | 3930    |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 26.64   | 26.83  | 26.89   | 28.30             |
|                 |                   | 1       | 137       | 26.80   | 27.01  | 27.01   | 28.30             |
|                 |                   | 1       | 271       | 26.95   | 26.85  | 26.89   | 28.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 26.95   | 26.76  | 26.78   | 28.30             |
|                 |                   | 135     | 69        | 26.65   | 26.72  | 26.88   | 28.30             |
|                 |                   | 135     | 138       | 26.87   | 26.97  | 26.88   | 28.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 26.76   | 26.78  | 26.58   | 28.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 26.08   | 25.95  | 26.14   | 27.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 24.23   | 24.41  | 24.24   | 25.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 21.98   | 22.18  | 21.99   | 23.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 25.09   | 25.24  | 25.08   | 26.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 24.91   | 24.86  | 24.87   | 26.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 23.19   | 23.20  | 23.06   | 24.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 20.40   | 20.60  | 20.46   | 21.80             |



**N77-ANT3 Sensor on-PC2**

| Bandwidth (MHz) | Modulation        | Channel |           | 647334  | 656000 | 664666  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|--------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3710.01 | 3840   | 3969.99 |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 23.58   | 23.75  | 23.57   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 647667  | 656000 | 664333  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3715.01 | 3840   | 3964.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 23.63   | 23.72  | 23.75   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648000  | 656000 | 664000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3720    | 3840   | 3960    |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 23.73   | 23.64  | 23.67   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648668  | 656000 | 663332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3730.02 | 3840   | 3949.98 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 23.62   | 23.64  | 23.58   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649334  | 656000 | 662666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3740.01 | 3840   | 3939.99 |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 23.65   | 23.76  | 23.62   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 650000  | 656000 | 662000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3750    | 3840   | 3930    |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 23.78   | 23.66  | 23.78   | 25.30             |
|                 |                   | 1       | 137       | 23.87   | 23.89  | 23.88   | 25.30             |
|                 |                   | 1       | 271       | 23.72   | 23.59  | 23.56   | 25.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 23.69   | 23.58  | 23.75   | 25.30             |
|                 |                   | 135     | 69        | 23.55   | 23.64  | 23.69   | 25.30             |
|                 |                   | 135     | 138       | 23.89   | 23.95  | 23.94   | 25.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 23.62   | 23.54  | 23.53   | 25.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 23.30   | 23.32  | 23.42   | 25.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 23.97   | 24.00  | 24.00   | 25.30             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 22.20   | 22.20  | 22.20   | 23.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 23.78   | 23.67  | 23.61   | 25.30             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 23.92   | 23.80  | 23.74   | 25.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 23.20   | 23.26  | 23.35   | 24.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 20.62   | 20.56  | 20.67   | 21.80             |

## 8.5.14 NR Band77 Output Power

### N77-ANT3 (ENDC)-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 647334  | 656000 | 664666  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|--------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3710.01 | 3840   | 3969.99 |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 22.58   | 22.75  | 22.57   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 647667  | 656000 | 664333  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3715.01 | 3840   | 3964.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 22.63   | 22.72  | 22.75   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648000  | 656000 | 664000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3720    | 3840   | 3960    |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 22.73   | 22.64  | 22.67   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648668  | 656000 | 663332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3730.02 | 3840   | 3949.98 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 22.62   | 22.64  | 22.58   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649334  | 656000 | 662666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3740.01 | 3840   | 3939.99 |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 22.65   | 22.76  | 22.62   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 650000  | 656000 | 662000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3750    | 3840   | 3930    |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 22.78   | 22.66  | 22.78   | 24.00             |
|                 |                   | 1       | 137       | 22.87   | 22.89  | 22.88   | 24.00             |
|                 |                   | 1       | 271       | 22.72   | 22.59  | 22.56   | 24.00             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 22.69   | 22.58  | 22.75   | 24.00             |
|                 |                   | 135     | 69        | 22.55   | 22.64  | 22.69   | 24.00             |
|                 |                   | 135     | 138       | 22.89   | 22.95  | 22.94   | 24.00             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 22.62   | 22.54  | 22.53   | 24.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 22.30   | 22.32  | 22.42   | 24.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 22.97   | 23.00  | 23.00   | 24.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 21.20   | 21.20  | 21.20   | 22.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 22.78   | 22.67  | 22.61   | 24.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 22.92   | 22.80  | 22.74   | 24.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 22.20   | 22.26  | 22.35   | 23.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 19.62   | 19.56  | 19.67   | 20.80             |

## 8.5.14 NR Band77 Output Power

### N77-ANT3 Full power-PC3

| Bandwidth (MHz) | Modulation        | Channel |           | 647334  | 656000 | 664666  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|--------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3710.01 | 3840   | 3969.99 |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 23.38   | 23.31  | 23.08   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 647667  | 656000 | 664333  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3715.01 | 3840   | 3964.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 23.19   | 23.14  | 23.08   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648000  | 656000 | 664000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3720    | 3840   | 3960    |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 23.12   | 23.14  | 22.79   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648668  | 656000 | 663332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3730.02 | 3840   | 3949.98 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 23.30   | 23.22  | 23.00   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649334  | 656000 | 662666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3740.01 | 3840   | 3939.99 |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 23.40   | 23.19  | 23.13   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 650000  | 656000 | 662000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3750    | 3840   | 3930    |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 23.27   | 23.15  | 22.99   | 24.30             |
|                 |                   | 1       | 137       | 22.98   | 23.04  | 23.21   | 24.30             |
|                 |                   | 1       | 271       | 23.24   | 23.28  | 23.08   | 24.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 22.99   | 22.98  | 22.96   | 24.30             |
|                 |                   | 135     | 69        | 22.85   | 22.98  | 22.85   | 24.30             |
|                 |                   | 135     | 138       | 23.16   | 23.16  | 23.21   | 24.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 23.04   | 23.02  | 23.17   | 23.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 22.47   | 22.38  | 22.52   | 23.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 21.47   | 21.34  | 21.53   | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 19.73   | 19.58  | 19.51   | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 22.75   | 22.59  | 22.72   | 22.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 21.91   | 22.08  | 22.15   | 22.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 20.69   | 20.59  | 20.69   | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 17.12   | 17.11  | 16.95   | 17.80             |

**N77-ANT3 Sensor on-PC3**

| Bandwidth (MHz) | Modulation        | Channel |           | 647334  | 656000 | 664666  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|--------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3710.01 | 3840   | 3969.99 |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 20.26   | 20.19  | 20.32   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 647667  | 656000 | 664333  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3715.01 | 3840   | 3964.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 20.30   | 20.24  | 20.37   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648000  | 656000 | 664000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3720    | 3840   | 3960    |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 20.25   | 20.26  | 20.35   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648668  | 656000 | 663332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3730.02 | 3840   | 3949.98 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 20.29   | 20.30  | 20.17   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649334  | 656000 | 662666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3740.01 | 3840   | 3939.99 |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 20.29   | 20.33  | 20.21   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 650000  | 656000 | 662000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3750    | 3840   | 3930    |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 20.36   | 20.27  | 20.40   | 21.30             |
|                 |                   | 1       | 137       | 20.15   | 20.23  | 20.18   | 21.30             |
|                 |                   | 1       | 271       | 20.11   | 20.15  | 20.16   | 21.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 20.24   | 20.14  | 20.06   | 21.30             |
|                 |                   | 135     | 69        | 20.13   | 20.14  | 20.19   | 21.30             |
|                 |                   | 135     | 138       | 19.89   | 19.90  | 19.99   | 21.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 19.89   | 19.91  | 19.81   | 21.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 19.45   | 19.44  | 19.50   | 21.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 21.18   | 21.12  | 21.12   | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 19.68   | 19.54  | 19.60   | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 20.98   | 20.90  | 20.93   | 21.30             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 20.61   | 20.66  | 20.74   | 21.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 20.54   | 20.66  | 20.56   | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 17.18   | 17.19  | 17.19   | 17.80             |

## 8.5.15 NR Band78 Output Power

### N78-ANT3 Full power-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 630668  | 633334  | 636000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3460.02 | 3500.01 | 3540    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 26.45   | 26.51   | 26.74   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631000  | 633334  | 635666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3465    | 3500.01 | 3534.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 26.68   | 26.47   | 26.44   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631334  | 633334  | 635332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3470.01 | 3500.01 | 3529.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 26.55   | 26.73   | 26.58   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631668  | 633334  | 635000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3475.02 | 3500.01 | 3525    |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 26.58   | 26.43   | 26.70   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632000  | 633334  | 634666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3480    | 3500.01 | 3519.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 26.65   | 26.50   | 26.63   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632334  | 633334  | 634332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3485.01 | 3500.01 | 3514.98 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 26.73   | 26.72   | 26.64   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632668  | 633334  | 634000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3490.02 | 3500.01 | 3510    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 26.40   | 26.58   | 26.69   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 633000  | 633334  | 633666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3495    | 3500.01 | 3504.99 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 26.66   | 26.63   | 26.46   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | /       | 633334  | /       | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | /       | 3500.01 | /       |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | /       | 26.57   | /       | 27.30             |
|                 |                   | 1       | 137       | /       | 26.32   | /       | 27.30             |
|                 |                   | 1       | 271       | /       | 26.51   | /       | 27.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | /       | 26.59   | /       | 27.30             |
|                 |                   | 135     | 69        | /       | 26.55   | /       | 27.30             |
|                 |                   | 135     | 138       | /       | 26.63   | /       | 27.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | /       | 26.42   | /       | 27.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 25.44   | /       | 26.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 24.00   | /       | 24.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /       | 22.26   | /       | 22.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | /       | 25.28   | /       | 25.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /       | 24.58   | /       | 25.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /       | 23.07   | /       | 23.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /       | 21.08   | /       | 21.80             |

**N78-ANT3 Sensor on-PC2**

| Bandwidth (MHz) | Modulation        | Channel |           | 630668  | 633334  | 636000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3460.02 | 3500.01 | 3540    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 23.54   | 23.57   | 23.58   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631000  | 633334  | 635666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3465    | 3500.01 | 3534.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 23.50   | 23.48   | 23.57   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631334  | 633334  | 635332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3470.01 | 3500.01 | 3529.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 23.45   | 23.58   | 23.57   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631668  | 633334  | 635000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3475.02 | 3500.01 | 3525    |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 23.56   | 23.56   | 23.44   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632000  | 633334  | 634666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3480    | 3500.01 | 3519.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 23.51   | 23.49   | 23.44   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632334  | 633334  | 634332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3485.01 | 3500.01 | 3514.98 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 23.45   | 23.58   | 23.57   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632668  | 633334  | 634000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3490.02 | 3500.01 | 3510    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 23.53   | 23.45   | 23.55   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 633000  | 633334  | 633666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3495    | 3500.01 | 3504.99 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 23.59   | 23.58   | 23.47   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | /       | 633334  | /       | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | /       | 3500.01 | /       |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | /       | 23.59   | /       | 24.30             |
|                 |                   | 1       | 137       | /       | 23.33   | /       | 24.30             |
|                 |                   | 1       | 271       | /       | 23.52   | /       | 24.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | /       | 23.64   | /       | 24.30             |
|                 |                   | 135     | 69        | /       | 23.52   | /       | 24.30             |
|                 |                   | 135     | 138       | /       | 23.72   | /       | 24.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | /       | 23.39   | /       | 24.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 23.67   | /       | 24.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 23.46   | /       | 24.30             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /       | 22.23   | /       | 22.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | /       | 23.36   | /       | 24.30             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /       | 23.49   | /       | 24.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /       | 22.98   | /       | 23.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /       | 21.11   | /       | 21.80             |

## 8.5.15 NR Band78 Output Power

### N78-ANT3 (ENDC)-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 630668  | 633334  | 636000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3460.02 | 3500.01 | 3540    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 23.54   | 23.57   | 23.58   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631000  | 633334  | 635666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3465    | 3500.01 | 3534.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 23.50   | 23.48   | 23.57   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631334  | 633334  | 635332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3470.01 | 3500.01 | 3529.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 23.45   | 23.58   | 23.57   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631668  | 633334  | 635000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3475.02 | 3500.01 | 3525    |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 23.56   | 23.56   | 23.44   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632000  | 633334  | 634666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3480    | 3500.01 | 3519.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 23.51   | 23.49   | 23.44   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632334  | 633334  | 634332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3485.01 | 3500.01 | 3514.98 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 23.45   | 23.58   | 23.57   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632668  | 633334  | 634000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3490.02 | 3500.01 | 3510    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 23.53   | 23.45   | 23.55   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 633000  | 633334  | 633666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3495    | 3500.01 | 3504.99 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 23.59   | 23.58   | 23.47   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | /       | 633334  | /       | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | /       | 3500.01 | /       |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | /       | 23.59   | /       | 24.00             |
|                 |                   | 1       | 137       | /       | 23.33   | /       | 24.00             |
|                 |                   | 1       | 271       | /       | 23.52   | /       | 24.00             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | /       | 23.64   | /       | 24.00             |
|                 |                   | 135     | 69        | /       | 23.52   | /       | 24.00             |
|                 |                   | 135     | 138       | /       | 23.72   | /       | 24.00             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | /       | 23.39   | /       | 24.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 23.67   | /       | 24.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 23.46   | /       | 24.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /       | 22.23   | /       | 22.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | /       | 23.36   | /       | 24.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /       | 23.49   | /       | 24.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /       | 22.98   | /       | 23.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /       | 21.11   | /       | 21.80             |

**N78-ANT3 (ENDC)-PC2**

| Bandwidth (MHz) | Modulation        | Channel |           | 630668  | 633334  | 636000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3460.02 | 3500.01 | 3540    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 21.59   | 21.55   | 21.63   | 22.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631000  | 633334  | 635666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3465    | 3500.01 | 3534.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 21.55   | 21.43   | 21.63   | 22.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631334  | 633334  | 635332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3470.01 | 3500.01 | 3529.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 21.46   | 21.60   | 21.61   | 22.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631668  | 633334  | 635000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3475.02 | 3500.01 | 3525    |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 21.62   | 21.53   | 21.46   | 22.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632000  | 633334  | 634666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3480    | 3500.01 | 3519.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 21.52   | 21.49   | 21.48   | 22.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632334  | 633334  | 634332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3485.01 | 3500.01 | 3514.98 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 21.43   | 21.55   | 21.54   | 22.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632668  | 633334  | 634000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3490.02 | 3500.01 | 3510    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 21.48   | 21.48   | 21.60   | 22.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 633000  | 633334  | 633666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3495    | 3500.01 | 3504.99 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 21.57   | 21.61   | 21.52   | 22.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | /       | 633334  | /       | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | /       | 3500.01 | /       |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | /       | 21.55   | /       | 22.00             |
|                 |                   | 1       | 137       | /       | 21.33   | /       | 22.00             |
|                 |                   | 1       | 271       | /       | 21.58   | /       | 22.00             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | /       | 21.69   | /       | 22.00             |
|                 |                   | 135     | 69        | /       | 21.56   | /       | 22.00             |
|                 |                   | 135     | 138       | /       | 21.78   | /       | 22.00             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | /       | 21.35   | /       | 22.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 21.69   | /       | 22.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 21.51   | /       | 22.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /       | 21.21   | /       | 22.00             |
|                 | CP-OFDM QPSK      | 1       | 1         | /       | 21.31   | /       | 22.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /       | 21.49   | /       | 22.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /       | 21.43   | /       | 22.00             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /       | 21.07   | /       | 21.80             |



**N78-ANT3 (ENDC)-PC2**

| Bandwidth (MHz) | Modulation        | Channel |           | 630668  | 633334  | 636000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3460.02 | 3500.01 | 3540    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 17.05   | 17.08   | 17.17   | 18.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631000  | 633334  | 635666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3465    | 3500.01 | 3534.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 17.05   | 16.94   | 17.17   | 18.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631334  | 633334  | 635332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3470.01 | 3500.01 | 3529.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 16.96   | 17.15   | 17.16   | 18.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631668  | 633334  | 635000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3475.02 | 3500.01 | 3525    |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 17.11   | 17.05   | 16.99   | 18.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632000  | 633334  | 634666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3480    | 3500.01 | 3519.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 17.00   | 16.99   | 17.02   | 18.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632334  | 633334  | 634332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3485.01 | 3500.01 | 3514.98 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 16.93   | 17.10   | 17.04   | 18.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632668  | 633334  | 634000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3490.02 | 3500.01 | 3510    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 16.95   | 16.95   | 17.14   | 18.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 633000  | 633334  | 633666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3495    | 3500.01 | 3504.99 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 17.08   | 17.07   | 17.02   | 18.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | /       | 633334  | /       | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | /       | 3500.01 | /       |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | /       | 17.10   | /       | 18.00             |
|                 |                   | 1       | 137       | /       | 16.79   | /       | 18.00             |
|                 |                   | 1       | 271       | /       | 17.08   | /       | 18.00             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | /       | 17.24   | /       | 18.00             |
|                 |                   | 135     | 69        | /       | 17.01   | /       | 18.00             |
|                 |                   | 135     | 138       | /       | 17.30   | /       | 18.00             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | /       | 16.81   | /       | 18.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 17.24   | /       | 18.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 17.07   | /       | 18.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /       | 16.73   | /       | 18.00             |
|                 | CP-OFDM QPSK      | 1       | 1         | /       | 16.87   | /       | 18.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /       | 17.04   | /       | 18.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /       | 16.98   | /       | 18.00             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /       | 16.62   | /       | 18.00             |

## 8.5.15 NR Band78 Output Power

### N78-ANT3 Full power-PC3

| Bandwidth (MHz) | Modulation        | Channel |           | 630668  | 633334  | 636000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3460.02 | 3500.01 | 3540    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 22.37   | 22.41   | 22.45   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631000  | 633334  | 635666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3465    | 3500.01 | 3534.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 22.50   | 22.31   | 22.58   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631334  | 633334  | 635332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3470.01 | 3500.01 | 3529.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 22.48   | 22.62   | 22.50   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631668  | 633334  | 635000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3475.02 | 3500.01 | 3525    |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 22.47   | 22.32   | 22.59   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632000  | 633334  | 634666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3480    | 3500.01 | 3519.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 22.32   | 22.46   | 22.41   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632334  | 633334  | 634332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3485.01 | 3500.01 | 3514.98 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 22.37   | 22.54   | 22.37   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632668  | 633334  | 634000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3490.02 | 3500.01 | 3510    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 22.63   | 22.61   | 22.43   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 633000  | 633334  | 633666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3495    | 3500.01 | 3504.99 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 22.42   | 22.41   | 22.65   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | /       | 633334  | /       | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | /       | 3500.01 | /       |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | /       | 22.50   | /       | 24.30             |
|                 |                   | 1       | 137       | /       | 22.70   | /       | 24.30             |
|                 |                   | 1       | 271       | /       | 22.68   | /       | 24.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | /       | 22.48   | /       | 24.30             |
|                 |                   | 135     | 69        | /       | 22.89   | /       | 24.30             |
|                 |                   | 135     | 138       | /       | 22.64   | /       | 24.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | /       | 22.83   | /       | 23.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 21.55   | /       | 23.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 20.30   | /       | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /       | 18.95   | /       | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | /       | 21.11   | /       | 22.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /       | 21.02   | /       | 22.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /       | 20.73   | /       | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /       | 17.54   | /       | 17.80             |

## N78-ANT3 Sensor on-PC3

| Bandwidth (MHz) | Modulation        | Channel |           | 630668  | 633334  | 636000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3460.02 | 3500.01 | 3540    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 20.56   | 20.49   | 20.39   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631000  | 633334  | 635666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3465    | 3500.01 | 3534.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 20.56   | 20.45   | 20.39   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631334  | 633334  | 635332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3470.01 | 3500.01 | 3529.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 20.57   | 20.49   | 20.45   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 631668  | 633334  | 635000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3475.02 | 3500.01 | 3525    |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 20.55   | 20.44   | 20.49   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632000  | 633334  | 634666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3480    | 3500.01 | 3519.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 20.48   | 20.50   | 20.42   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632334  | 633334  | 634332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3485.01 | 3500.01 | 3514.98 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 20.59   | 20.37   | 20.48   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 632668  | 633334  | 634000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3490.02 | 3500.01 | 3510    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 20.59   | 20.45   | 20.38   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 633000  | 633334  | 633666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3495    | 3500.01 | 3504.99 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 20.56   | 20.47   | 20.43   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | /       | 633334  | /       | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | /       | 3500.01 | /       |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | /       | 20.59   | /       | 21.30             |
|                 |                   | 1       | 137       | /       | 20.50   | /       | 21.30             |
|                 |                   | 1       | 271       | /       | 20.36   | /       | 21.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | /       | 20.25   | /       | 21.30             |
|                 |                   | 135     | 69        | /       | 20.35   | /       | 21.30             |
|                 |                   | 135     | 138       | /       | 20.25   | /       | 21.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | /       | 20.05   | /       | 21.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 19.76   | /       | 21.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 21.31   | /       | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /       | 19.78   | /       | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | /       | 21.12   | /       | 21.30             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /       | 20.62   | /       | 21.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /       | 20.58   | /       | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /       | 17.34   | /       | 17.80             |

## 8.5.15 NR Band78 Output Power

### N78-ANT3 Full power-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 637334  | 641666  | 646000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3560.01 | 3624.99 | 3690    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 26.45   | 26.51   | 26.74   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 637668  | 641666  | 645666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3565.02 | 3624.99 | 3684.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 26.68   | 26.47   | 26.44   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638000  | 641666  | 645332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3570    | 3624.99 | 3679.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 26.55   | 26.73   | 26.58   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638334  | 641666  | 645000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3575.01 | 3624.99 | 3675    |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 26.58   | 26.43   | 26.70   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638668  | 641666  | 644666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3580.02 | 3624.99 | 3669.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 26.65   | 26.50   | 26.63   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639000  | 641666  | 644332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3585    | 3624.99 | 3664.98 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 26.73   | 26.72   | 26.64   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639334  | 641666  | 644000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3590.01 | 3624.99 | 3660    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 26.40   | 26.58   | 26.69   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639668  | 641666  | 643666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3595.02 | 3624.99 | 3654.99 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 26.66   | 26.63   | 26.46   | 27.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 640000  | 641666  | 643332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3600    | 3624.99 | 3649.98 |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 26.48   | 26.58   | 26.51   | 27.30             |
|                 |                   | 1       | 137       | 26.21   | 26.37   | 26.21   | 27.30             |
|                 |                   | 1       | 271       | 26.52   | 26.46   | 26.48   | 27.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 26.55   | 26.59   | 26.52   | 27.30             |
|                 |                   | 135     | 69        | 26.54   | 26.52   | 26.47   | 27.30             |
|                 |                   | 135     | 138       | 26.57   | 26.52   | 26.54   | 27.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 26.42   | 26.41   | 26.30   | 27.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 25.32   | 25.38   | 25.45   | 26.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 23.99   | 23.97   | 23.90   | 24.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 22.25   | 22.16   | 22.14   | 22.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 25.2    | 25.26   | 25.33   | 25.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 24.46   | 24.52   | 24.54   | 25.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 23.05   | 23.01   | 23.07   | 23.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 21.08   | 21.03   | 21.05   | 21.80             |

## N78-ANT3 Sensor on-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 637334  | 641666  | 646000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3560.01 | 3624.99 | 3690    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 23.54   | 23.57   | 23.58   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 637668  | 641666  | 645666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3565.02 | 3624.99 | 3684.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 23.50   | 23.48   | 23.57   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638000  | 641666  | 645332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3570    | 3624.99 | 3679.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 23.45   | 23.58   | 23.57   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638334  | 641666  | 645000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3575.01 | 3624.99 | 3675    |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 23.56   | 23.56   | 23.44   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638668  | 641666  | 644666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3580.02 | 3624.99 | 3669.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 23.51   | 23.49   | 23.44   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639000  | 641666  | 644332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3585    | 3624.99 | 3664.98 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 23.45   | 23.58   | 23.57   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639334  | 641666  | 644000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3590.01 | 3624.99 | 3660    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 23.53   | 23.45   | 23.55   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639668  | 641666  | 643666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3595.02 | 3624.99 | 3654.99 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 23.59   | 23.58   | 23.47   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 640000  | 641666  | 643332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3600    | 3624.99 | 3649.98 |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 23.52   | 23.64   | 23.48   | 24.30             |
|                 |                   | 1       | 137       | 23.25   | 23.34   | 23.25   | 24.30             |
|                 |                   | 1       | 271       | 23.44   | 23.57   | 23.54   | 24.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 23.59   | 23.65   | 23.56   | 24.30             |
|                 |                   | 135     | 69        | 23.47   | 23.48   | 23.53   | 24.30             |
|                 |                   | 135     | 138       | 23.69   | 23.76   | 23.66   | 24.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 23.30   | 23.33   | 23.31   | 24.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 23.71   | 23.70   | 23.71   | 24.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 23.41   | 23.34   | 23.49   | 24.30             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 22.19   | 22.15   | 22.24   | 22.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 23.32   | 23.33   | 23.36   | 24.30             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 23.43   | 23.42   | 23.53   | 24.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 22.91   | 22.91   | 22.91   | 23.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 21.02   | 21.11   | 21.01   | 21.80             |

## 8.5.15 NR Band78 Output Power

### N78-ANT3 (ENDC)-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 637334  | 641666  | 646000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3560.01 | 3624.99 | 3690    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 23.54   | 23.57   | 23.58   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 637668  | 641666  | 645666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3565.02 | 3624.99 | 3684.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 23.50   | 23.48   | 23.57   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638000  | 641666  | 645332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3570    | 3624.99 | 3679.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 23.45   | 23.58   | 23.57   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638334  | 641666  | 645000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3575.01 | 3624.99 | 3675    |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 23.56   | 23.56   | 23.44   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638668  | 641666  | 644666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3580.02 | 3624.99 | 3669.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 23.51   | 23.49   | 23.44   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639000  | 641666  | 644332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3585    | 3624.99 | 3664.98 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 23.45   | 23.58   | 23.57   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639334  | 641666  | 644000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3590.01 | 3624.99 | 3660    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 23.53   | 23.45   | 23.55   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639668  | 641666  | 643666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3595.02 | 3624.99 | 3654.99 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 23.59   | 23.58   | 23.47   | 24.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 640000  | 641666  | 643332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3600    | 3624.99 | 3649.98 |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 23.52   | 23.64   | 23.48   | 24.00             |
|                 |                   | 1       | 137       | 23.25   | 23.34   | 23.25   | 24.00             |
|                 |                   | 1       | 271       | 23.44   | 23.57   | 23.54   | 24.00             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 23.59   | 23.65   | 23.56   | 24.00             |
|                 |                   | 135     | 69        | 23.47   | 23.48   | 23.53   | 24.00             |
|                 |                   | 135     | 138       | 23.69   | 23.76   | 23.66   | 24.00             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 23.30   | 23.33   | 23.31   | 24.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 23.71   | 23.70   | 23.71   | 24.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 23.41   | 23.34   | 23.49   | 24.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 22.19   | 22.15   | 22.24   | 22.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 23.32   | 23.33   | 23.36   | 24.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 23.43   | 23.42   | 23.53   | 24.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 22.91   | 22.91   | 22.91   | 23.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 21.02   | 21.11   | 21.01   | 21.80             |

**N78-ANT3 (ENDC)-PC2**

| Bandwidth (MHz) | Modulation        | Channel |           | 637334  | 641666  | 646000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3560.01 | 3624.99 | 3690    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 21.59   | 21.62   | 21.55   | 22.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 637668  | 641666  | 645666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3565.02 | 3624.99 | 3684.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 21.53   | 21.44   | 21.54   | 22.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638000  | 641666  | 645332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3570    | 3624.99 | 3679.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 21.49   | 21.57   | 21.55   | 22.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638334  | 641666  | 645000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3575.01 | 3624.99 | 3675    |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 21.55   | 21.54   | 21.47   | 22.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638668  | 641666  | 644666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3580.02 | 3624.99 | 3669.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 21.48   | 21.51   | 21.50   | 22.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639000  | 641666  | 644332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3585    | 3624.99 | 3664.98 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 21.42   | 21.57   | 21.63   | 22.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639334  | 641666  | 644000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3590.01 | 3624.99 | 3660    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 21.58   | 21.45   | 21.58   | 22.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639668  | 641666  | 643666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3595.02 | 3624.99 | 3654.99 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 21.57   | 21.55   | 21.45   | 22.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 640000  | 641666  | 643332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3600    | 3624.99 | 3649.98 |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 21.57   | 21.66   | 21.43   | 22.00             |
|                 |                   | 1       | 137       | 21.24   | 21.35   | 21.3    | 22.00             |
|                 |                   | 1       | 271       | 21.49   | 21.56   | 21.52   | 22.00             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 21.55   | 21.64   | 21.51   | 22.00             |
|                 |                   | 135     | 69        | 21.43   | 21.46   | 21.57   | 22.00             |
|                 |                   | 135     | 138       | 21.67   | 21.74   | 21.61   | 22.00             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 21.25   | 21.35   | 21.33   | 22.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 21.71   | 21.65   | 21.74   | 22.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 21.41   | 21.39   | 21.53   | 22.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 21.14   | 21.10   | 21.24   | 22.00             |
|                 | CP-OFDM QPSK      | 1       | 1         | 21.33   | 21.39   | 21.32   | 22.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 21.42   | 21.44   | 21.57   | 22.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 21.39   | 21.41   | 21.41   | 22.00             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 21      | 21.16   | 20.96   | 21.80             |

**N78-ANT3 (ENDC)-PC2**

| Bandwidth (MHz) | Modulation        | Channel |           | 637334  | 641666  | 646000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3560.01 | 3624.99 | 3690    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 17.04   | 17.14   | 17.10   | 18.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 637668  | 641666  | 645666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3565.02 | 3624.99 | 3684.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 17.07   | 16.94   | 17.06   | 18.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638000  | 641666  | 645332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3570    | 3624.99 | 3679.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 17.03   | 17.13   | 17.02   | 18.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638334  | 641666  | 645000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3575.01 | 3624.99 | 3675    |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 17.03   | 17.06   | 16.98   | 18.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638668  | 641666  | 644666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3580.02 | 3624.99 | 3669.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 17.04   | 17.07   | 16.99   | 18.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639000  | 641666  | 644332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3585    | 3624.99 | 3664.98 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 16.87   | 17.13   | 17.08   | 18.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639334  | 641666  | 644000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3590.01 | 3624.99 | 3660    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 17.13   | 17.00   | 17.07   | 18.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639668  | 641666  | 643666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3595.02 | 3624.99 | 3654.99 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 17.08   | 17.10   | 17.01   | 18.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 640000  | 641666  | 643332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3600    | 3624.99 | 3649.98 |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 17.11   | 17.13   | 16.92   | 18.00             |
|                 |                   | 1       | 137       | 16.73   | 16.89   | 16.83   | 18.00             |
|                 |                   | 1       | 271       | 17.05   | 17.03   | 17.01   | 18.00             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 17.03   | 17.14   | 16.98   | 18.00             |
|                 |                   | 135     | 69        | 16.92   | 17.02   | 17.02   | 18.00             |
|                 |                   | 135     | 138       | 17.12   | 17.25   | 17.07   | 18.00             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 16.73   | 16.83   | 16.83   | 18.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 17.24   | 17.17   | 17.24   | 18.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 16.89   | 16.93   | 17.03   | 18.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 16.64   | 16.58   | 16.76   | 18.00             |
|                 | CP-OFDM QPSK      | 1       | 1         | 16.88   | 16.86   | 16.79   | 18.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 16.91   | 16.95   | 17.03   | 18.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 16.85   | 16.91   | 16.92   | 18.00             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 16.47   | 16.63   | 16.51   | 18.00             |



## 8.5.15 NR Band78 Output Power

### N78-ANT3 Full power-PC3

| Bandwidth (MHz) | Modulation        | Channel |           | 637334  | 641666  | 646000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3560.01 | 3624.99 | 3690    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 22.37   | 22.41   | 22.45   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 637668  | 641666  | 645666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3565.02 | 3624.99 | 3684.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 22.50   | 22.31   | 22.58   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638000  | 641666  | 645332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3570    | 3624.99 | 3679.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 22.48   | 22.62   | 22.50   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638334  | 641666  | 645000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3575.01 | 3624.99 | 3675    |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 22.47   | 22.32   | 22.59   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638668  | 641666  | 644666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3580.02 | 3624.99 | 3669.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 22.32   | 22.46   | 22.41   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639000  | 641666  | 644332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3585    | 3624.99 | 3664.98 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 22.37   | 22.54   | 22.37   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639334  | 641666  | 644000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3590.01 | 3624.99 | 3660    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 22.63   | 22.61   | 22.43   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639668  | 641666  | 643666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3595.02 | 3624.99 | 3654.99 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 22.42   | 22.41   | 22.65   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 640000  | 641666  | 643332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3600    | 3624.99 | 3649.98 |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 22.54   | 22.47   | 22.4    | 24.30             |
|                 |                   | 1       | 137       | 22.75   | 22.66   | 22.62   | 24.30             |
|                 |                   | 1       | 271       | 22.59   | 22.69   | 22.71   | 24.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 22.48   | 22.50   | 22.42   | 24.30             |
|                 |                   | 135     | 69        | 22.88   | 22.84   | 22.82   | 24.30             |
|                 |                   | 135     | 138       | 22.56   | 22.56   | 22.66   | 24.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 22.83   | 22.76   | 22.88   | 23.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 21.55   | 21.46   | 21.47   | 23.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 20.26   | 20.18   | 20.34   | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 18.94   | 18.89   | 18.89   | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 21.12   | 21.13   | 21.02   | 22.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 20.96   | 21.00   | 21.04   | 22.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 20.73   | 20.69   | 20.72   | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 17.49   | 17.54   | 17.42   | 17.80             |

## N78-ANT3 Sensor on-PC3

| Bandwidth (MHz) | Modulation        | Channel |           | 637334  | 641666  | 646000  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|---------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3560.01 | 3624.99 | 3690    |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 20.56   | 20.49   | 20.39   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 637668  | 641666  | 645666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3565.02 | 3624.99 | 3684.99 |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 20.56   | 20.45   | 20.39   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638000  | 641666  | 645332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3570    | 3624.99 | 3679.98 |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 20.57   | 20.49   | 20.45   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638334  | 641666  | 645000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3575.01 | 3624.99 | 3675    |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 20.55   | 20.44   | 20.49   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 638668  | 641666  | 644666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3580.02 | 3624.99 | 3669.99 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 20.48   | 20.50   | 20.42   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639000  | 641666  | 644332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3585    | 3624.99 | 3664.98 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 20.59   | 20.37   | 20.48   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639334  | 641666  | 644000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3590.01 | 3624.99 | 3660    |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 20.59   | 20.45   | 20.38   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 639668  | 641666  | 643666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3595.02 | 3624.99 | 3654.99 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 20.56   | 20.47   | 20.43   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 640000  | 641666  | 643332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3600    | 3624.99 | 3649.98 |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | 20.52   | 20.47   | 20.62   | 21.30             |
|                 |                   | 1       | 137       | 20.39   | 20.44   | 20.55   | 21.30             |
|                 |                   | 1       | 271       | 20.35   | 20.35   | 20.25   | 21.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | 20.22   | 20.30   | 20.3    | 21.30             |
|                 |                   | 135     | 69        | 20.28   | 20.28   | 20.33   | 21.30             |
|                 |                   | 135     | 138       | 20.2    | 20.17   | 20.26   | 21.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | 20.01   | 20.08   | 19.94   | 21.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | 19.81   | 19.65   | 19.72   | 21.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | 21.36   | 21.33   | 21.27   | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | 19.83   | 19.80   | 19.75   | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | 21.13   | 21.01   | 21.03   | 21.30             |
|                 | CP-OFDM 16QAM     | 1       | 1         | 20.64   | 20.57   | 20.54   | 21.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | 20.52   | 20.62   | 20.63   | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | 17.28   | 17.38   | 17.39   | 17.80             |

## 8.5.15 NR Band78 Output Power

### N78-ANT3 Full power-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 647334  | 650000 | 652666  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|--------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3710.01 | 3750   | 3789.99 |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 26.75   | 26.62  | 26.46   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 647668  | 650000 | 658333  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3715.02 | 3750   | 3875    |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 26.44   | 26.73  | 26.47   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648000  | 650000 | 664000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3720    | 3750   | 3960    |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 26.60   | 26.63  | 26.48   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648334  | 650000 | 663666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3725.01 | 3750   | 3954.99 |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 26.51   | 26.37  | 26.44   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648668  | 650000 | 663332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3730.02 | 3750   | 3949.98 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 26.42   | 26.74  | 26.48   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649000  | 650000 | 663000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3735    | 3750   | 3944.99 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 26.59   | 26.64  | 26.43   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649334  | 650000 | 662666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3740.01 | 3750   | 3939.99 |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 26.62   | 26.42  | 26.58   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649668  | 650000 | 662332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3745.02 | 3750   | 3934.98 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 26.55   | 26.68  | 26.55   | 28.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | /       | 650000 | /       | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | /       | 3750   | /       |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | /       | 26.55  | /       | 28.30             |
|                 |                   | 1       | 137       | /       | 26.51  | /       | 28.30             |
|                 |                   | 1       | 271       | /       | 26.68  | /       | 28.30             |
|                 |                   | 135     | 0         | /       | 26.43  | /       | 28.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 69        | /       | 26.62  | /       | 28.30             |
|                 |                   | 135     | 138       | /       | 26.57  | /       | 28.30             |
|                 |                   | 270     | 0         | /       | 26.27  | /       | 27.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 25.67  | /       | 27.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 23.81  | /       | 25.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /       | 22.27  | /       | 23.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | /       | 25.14  | /       | 26.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /       | 24.48  | /       | 26.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /       | 22.96  | /       | 24.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /       | 21.16  | /       | 21.80             |

## N78-ANT3 Sensor on-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 647334  | 650000 | 652666  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|--------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3710.01 | 3750   | 3789.99 |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 23.49   | 23.52  | 23.48   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 647668  | 650000 | 658333  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3715.02 | 3750   | 3875    |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 23.54   | 23.44  | 23.56   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648000  | 650000 | 664000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3720    | 3750   | 3960    |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 23.51   | 23.57  | 23.46   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648334  | 650000 | 663666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3725.01 | 3750   | 3954.99 |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 23.43   | 23.42  | 23.53   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648668  | 650000 | 663332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3730.02 | 3750   | 3949.98 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 23.53   | 23.42  | 23.44   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649000  | 650000 | 663000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3735    | 3750   | 3944.99 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 23.45   | 23.57  | 23.54   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649334  | 650000 | 662666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3740.01 | 3750   | 3939.99 |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 23.46   | 23.46  | 23.52   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649668  | 650000 | 662332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3745.02 | 3750   | 3934.98 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 23.48   | 23.47  | 23.56   | 25.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | /       | 650000 | /       | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | /       | 3750   | /       |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | /       | 23.57  | /       | 25.30             |
|                 |                   | 1       | 137       | /       | 23.30  | /       | 25.30             |
|                 |                   | 1       | 271       | /       | 23.62  | /       | 25.30             |
|                 |                   | 135     | 0         | /       | 23.66  | /       | 25.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 69        | /       | 23.49  | /       | 25.30             |
|                 |                   | 135     | 138       | /       | 23.81  | /       | 25.30             |
|                 |                   | 270     | 0         | /       | 23.40  | /       | 25.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 23.63  | /       | 25.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 23.41  | /       | 25.30             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /       | 22.21  | /       | 23.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | /       | 23.42  | /       | 25.30             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /       | 23.49  | /       | 25.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /       | 22.89  | /       | 24.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /       | 21.13  | /       | 21.80             |

## 8.5.15 NR Band78 Output Power

### N78-ANT3 (ENDC)-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 647334  | 650000 | 652666  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|--------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3710.01 | 3750   | 3789.99 |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 21.49   | 21.52  | 21.48   | 23.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 647668  | 650000 | 658333  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3715.02 | 3750   | 3875    |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 21.54   | 21.44  | 21.56   | 23.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648000  | 650000 | 664000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3720    | 3750   | 3960    |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 21.51   | 21.57  | 21.46   | 23.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648334  | 650000 | 663666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3725.01 | 3750   | 3954.99 |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 21.43   | 21.42  | 21.53   | 23.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648668  | 650000 | 663332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3730.02 | 3750   | 3949.98 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 21.53   | 21.42  | 21.44   | 23.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649000  | 650000 | 663000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3735    | 3750   | 3944.99 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 21.45   | 21.57  | 21.54   | 23.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649334  | 650000 | 662666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3740.01 | 3750   | 3939.99 |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 21.46   | 21.46  | 21.52   | 23.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649668  | 650000 | 662332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3745.02 | 3750   | 3934.98 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 21.48   | 21.47  | 21.56   | 23.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | /       | 650000 | /       | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | /       | 3750   | /       |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | /       | 21.57  | /       | 23.00             |
|                 |                   | 1       | 137       | /       | 21.30  | /       | 23.00             |
|                 |                   | 1       | 271       | /       | 21.62  | /       | 23.00             |
|                 |                   | 135     | 0         | /       | 21.66  | /       | 23.00             |
|                 | DFT-s-OFDM QPSK   | 135     | 69        | /       | 21.49  | /       | 23.00             |
|                 |                   | 135     | 138       | /       | 21.81  | /       | 23.00             |
|                 |                   | 270     | 0         | /       | 21.40  | /       | 23.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 21.63  | /       | 23.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 21.41  | /       | 23.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /       | 20.21  | /       | 21.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | /       | 21.42  | /       | 23.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /       | 21.49  | /       | 23.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /       | 20.89  | /       | 22.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /       | 19.13  | /       | 19.80             |

## N78-ANT3 (ENDC)-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 647334  | 650000 | 652666  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|--------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3710.01 | 3750   | 3789.99 |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 19.44   | 19.48  | 19.54   | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 647668  | 650000 | 658333  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3715.02 | 3750   | 3875    |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 19.60   | 19.46  | 19.58   | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648000  | 650000 | 664000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3720    | 3750   | 3960    |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 19.48   | 19.56  | 19.44   | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648334  | 650000 | 663666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3725.01 | 3750   | 3954.99 |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 19.39   | 19.40  | 19.55   | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648668  | 650000 | 663332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3730.02 | 3750   | 3949.98 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 19.48   | 19.37  | 19.39   | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649000  | 650000 | 663000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3735    | 3750   | 3944.99 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 19.45   | 19.58  | 19.57   | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649334  | 650000 | 662666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3740.01 | 3750   | 3939.99 |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 19.51   | 19.41  | 19.51   | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649668  | 650000 | 662332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3745.02 | 3750   | 3934.98 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 19.52   | 19.51  | 19.53   | 21.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | /       | 650000 | /       | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | /       | 3750   | /       |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | /       | 19.59  | /       | 21.00             |
|                 |                   | 1       | 137       | /       | 19.34  | /       | 21.00             |
|                 |                   | 1       | 271       | /       | 19.60  | /       | 21.00             |
|                 |                   | 135     | 0         | /       | 19.72  | /       | 21.00             |
|                 | DFT-s-OFDM QPSK   | 135     | 69        | /       | 19.52  | /       | 21.00             |
|                 |                   | 135     | 138       | /       | 19.78  | /       | 21.00             |
|                 |                   | 270     | 0         | /       | 19.36  | /       | 21.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 19.60  | /       | 21.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 19.45  | /       | 21.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /       | 19.26  | /       | 21.00             |
|                 | CP-OFDM QPSK      | 1       | 1         | /       | 19.45  | /       | 21.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /       | 19.50  | /       | 21.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /       | 19.35  | /       | 21.00             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /       | 19.17  | /       | 19.80             |

## N78-ANT3 (ENDC)-PC2

| Bandwidth (MHz) | Modulation        | Channel |           | 647334  | 650000 | 652666  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|--------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3710.01 | 3750   | 3789.99 |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 15.99   | 16.00  | 16.06   | 17.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 647668  | 650000 | 658333  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3715.02 | 3750   | 3875    |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 16.15   | 15.93  | 16.03   | 17.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648000  | 650000 | 664000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3720    | 3750   | 3960    |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 16.04   | 16.12  | 15.96   | 17.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648334  | 650000 | 663666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3725.01 | 3750   | 3954.99 |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 15.95   | 15.89  | 16.06   | 17.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648668  | 650000 | 663332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3730.02 | 3750   | 3949.98 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 15.93   | 15.87  | 15.85   | 17.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649000  | 650000 | 663000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3735    | 3750   | 3944.99 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 15.97   | 16.10  | 16.10   | 17.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649334  | 650000 | 662666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3740.01 | 3750   | 3939.99 |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 15.99   | 15.86  | 16.04   | 17.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649668  | 650000 | 662332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3745.02 | 3750   | 3934.98 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 15.99   | 16.04  | 15.98   | 17.00             |
| Bandwidth (MHz) | Modulation        | Channel |           | /       | 650000 | /       | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | /       | 3750   | /       |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | /       | 16.04  | /       | 17.00             |
|                 |                   | 1       | 137       | /       | 15.81  | /       | 17.00             |
|                 |                   | 1       | 271       | /       | 16.14  | /       | 17.00             |
|                 |                   | 135     | 0         | /       | 16.18  | /       | 17.00             |
|                 | DFT-s-OFDM QPSK   | 135     | 69        | /       | 16.05  | /       | 17.00             |
|                 |                   | 135     | 138       | /       | 16.31  | /       | 17.00             |
|                 |                   | 270     | 0         | /       | 15.86  | /       | 17.00             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 16.16  | /       | 17.00             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 15.97  | /       | 17.00             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /       | 15.79  | /       | 17.00             |
|                 | CP-OFDM QPSK      | 1       | 1         | /       | 15.95  | /       | 17.00             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /       | 16.02  | /       | 17.00             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /       | 15.85  | /       | 17.00             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /       | 15.71  | /       | 17.00             |

## 8.5.15 NR Band78 Output Power

### N78-ANT3 Full power-PC3

| Bandwidth (MHz) | Modulation        | Channel |           | 647334  | 650000 | 652666  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|--------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3710.01 | 3750   | 3789.99 |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 22.41   | 22.56  | 22.55   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 647668  | 650000 | 658333  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3715.02 | 3750   | 3875    |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 22.49   | 22.54  | 22.69   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648000  | 650000 | 664000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3720    | 3750   | 3960    |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 22.59   | 22.64  | 22.48   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648334  | 650000 | 663666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3725.01 | 3750   | 3954.99 |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 22.47   | 22.71  | 22.70   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648668  | 650000 | 663332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3730.02 | 3750   | 3949.98 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 22.69   | 22.78  | 22.71   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649000  | 650000 | 663000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3735    | 3750   | 3944.99 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 22.48   | 22.49  | 22.71   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649334  | 650000 | 662666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3740.01 | 3750   | 3939.99 |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 22.46   | 22.40  | 22.45   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649668  | 650000 | 662332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3745.02 | 3750   | 3934.98 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 22.55   | 22.60  | 22.68   | 24.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | /       | 650000 | /       | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | /       | 3750   | /       |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | /       | 22.58  | /       | 24.30             |
|                 |                   | 1       | 137       | /       | 22.66  | /       | 24.30             |
|                 |                   | 1       | 271       | /       | 22.50  | /       | 24.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | /       | 22.45  | /       | 24.30             |
|                 |                   | 135     | 69        | /       | 22.98  | /       | 24.30             |
|                 |                   | 135     | 138       | /       | 22.65  | /       | 24.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | /       | 22.98  | /       | 23.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 21.56  | /       | 23.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 20.15  | /       | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /       | 19.05  | /       | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | /       | 21.23  | /       | 22.80             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /       | 21.11  | /       | 22.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /       | 20.69  | /       | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /       | 17.47  | /       | 17.80             |



**N78-ANT3 Sensor on-PC3**

| Bandwidth (MHz) | Modulation        | Channel |           | 647334  | 650000 | 652666  | Tune-up power(dB) |
|-----------------|-------------------|---------|-----------|---------|--------|---------|-------------------|
|                 |                   | RB Size | RB offset | 3710.01 | 3750   | 3789.99 |                   |
| 20              | DFT-s-OFDM QPSK   | 1       | 1         | 20.21   | 19.97  | 20.09   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 647668  | 650000 | 658333  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3715.02 | 3750   | 3875    |                   |
| 30              | DFT-s-OFDM QPSK   | 1       | 1         | 20.22   | 20.06  | 20.04   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648000  | 650000 | 664000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3720    | 3750   | 3960    |                   |
| 40              | DFT-s-OFDM QPSK   | 1       | 1         | 20.26   | 20.07  | 19.96   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648334  | 650000 | 663666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3725.01 | 3750   | 3954.99 |                   |
| 50              | DFT-s-OFDM QPSK   | 1       | 1         | 20.32   | 19.99  | 20.08   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 648668  | 650000 | 663332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3730.02 | 3750   | 3949.98 |                   |
| 60              | DFT-s-OFDM QPSK   | 1       | 1         | 20.22   | 20.06  | 20.11   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649000  | 650000 | 663000  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3735    | 3750   | 3944.99 |                   |
| 70              | DFT-s-OFDM QPSK   | 1       | 1         | 20.19   | 20.07  | 20.00   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649334  | 650000 | 662666  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3740.01 | 3750   | 3939.99 |                   |
| 80              | DFT-s-OFDM QPSK   | 1       | 1         | 20.31   | 20.06  | 20.03   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | 649668  | 650000 | 662332  | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | 3745.02 | 3750   | 3934.98 |                   |
| 90              | DFT-s-OFDM QPSK   | 1       | 1         | 20.29   | 20.06  | 20.08   | 21.30             |
| Bandwidth (MHz) | Modulation        | Channel |           | /       | 650000 | /       | Tune-up power(dB) |
|                 |                   | RB Size | RB offset | /       | 3750   | /       |                   |
| 100             | DFT-s-OFDM QPSK   | 1       | 1         | /       | 20.34  | /       | 21.30             |
|                 |                   | 1       | 137       | /       | 20.11  | /       | 21.30             |
|                 |                   | 1       | 271       | /       | 20.11  | /       | 21.30             |
|                 | DFT-s-OFDM QPSK   | 135     | 0         | /       | 20.18  | /       | 21.30             |
|                 |                   | 135     | 69        | /       | 20.11  | /       | 21.30             |
|                 |                   | 135     | 138       | /       | 20.07  | /       | 21.30             |
|                 | DFT-s-OFDM QPSK   | 270     | 0         | /       | 19.95  | /       | 21.30             |
|                 | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 19.47  | /       | 21.30             |
|                 | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 21.11  | /       | 21.80             |
|                 | DFT-s-OFDM 256QAM | 1       | 1         | /       | 19.68  | /       | 19.80             |
|                 | CP-OFDM QPSK      | 1       | 1         | /       | 20.93  | /       | 21.30             |
|                 | CP-OFDM 16QAM     | 1       | 1         | /       | 20.72  | /       | 21.30             |
|                 | CP-OFDM 64QAM     | 1       | 1         | /       | 20.64  | /       | 20.80             |
|                 | CP-OFDM 256QAM    | 1       | 1         | /       | 17.21  | /       | 17.80             |